ORDER NO. ACED040229C7

C4

Service Manual

AUTOMOTIVE AFTERMARKET

COMPACT disc DIGITAL AUDIO TEXT WMA MP3

CQ-C5410U / CQ-C5310U / CQ-C5210U / CQ-C5110U

Removable Full Front MP3 WMA CD Player / Receiver with CD Changer Control

(CQ-C5410U)

SPECIFICATIONS

Specifications*

General	
Power Supply	**DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground**
Current Consumption	**Less than 2.2A / (CD mode ; 0.5W 4-speaker)**
Maximum Power Output	**50W×4ch (at 1kHz) / Volume Control Maximum**
Tone Adjustment Range	**Bass ; ±12dB at 60Hz Treble ; ±12dB at 16kHz**
Equalizer Center Frequency	**60Hz, 160Hz, 400Hz, 1kHz, 3kHz, / 6kHz, 16kHz**
Variable Range of Equalizer	**-12dB to 12dB (2dB step)**
Speaker Impedance	**4-8 Ω**
<CQ-C5410U/CQ-C5210U>	
Pre-amp Output Voltage	**5V (CD mode; 1kHz, 0dB)**
Subwoofer Output Voltage	**5V**
Pre-amp Output Impedance	**60 Ω**
Subwoofer Output Impedance	**60 Ω**

<CQ-C5310U/CQ-C5110U>

Pre-amp Output Voltage	**2.5V (CD mode; 1kHz, 0dB)**
Subwoofer Output Voltage	**2.5V**
Pre-amp Output Impedance	**200 Ω**
Subwoofer Output Impedance	**200 Ω**

FM Stereo Radio

Frequency Range	**87.9MHz - 107.9MHz**
Usable Sensitivity	**10.2dBf. (0.9 μ V, 75 Ω)**
50dB quieting sensitivity	**15.2dBf. (1.6 μ V, 75 Ω)**
Frequency Response	**30Hz-15kHz (±3dB)**
Alternate Channel Selectivity	**75dB**
Stereo Separation	**35dB (1kHz)**
Image Response Ratio	**75dB**
IF Response Ratio	**100dB**
Signal to Noise Ratio	**62dB**

AM Radio

Frequency Range	**530 - 1,710kHz**
Usable Sensitivity	**27dB/ μ V (11V, S/N 20dB)**

CD Player

Sampling Frequency	**8 Times Oversampling**
DA Converter	**4 DAC System**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wave Length	**780nm**
Frequency Response	**20Hz to 20kHz (±1dB)**
Signal to Noise Ratio	**96dB**
Total Harmonic Distortion	**0.01% (1kHz)**
Wow and Flutter	**Below measurable limits**
Channel Separation	**75dB**

Dimensions (W×H×D)**	**7”×1-15/16”×6-1/8” / (178mm× 50mm×155mm)**
Weight**	**3lbs. 8oz (1.6kg)**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

-Above specifications comply with EIA standards.

Panasonic®

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.

- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)

- This lead free solder will be used for the products after serial No. 1,000,001.

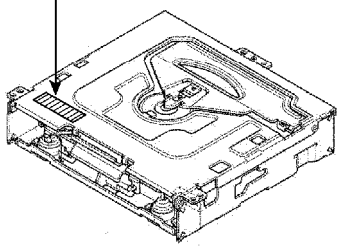
2. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

3. FEATUERS

- Digital servo for reliable playback.
- PLL (Phase Locked Loop) synthesized tuning.
- 18-FM, 6-AM presets with preset scan.
- CD Changer Control
- Removable face plate.
- MP3/WMA Playback from CD-R/RW. / (CQ-C5410U/CQ-C5310U)

● The differences among these models are mentioned below.

Features \ Models	CQ-C5410U	CQ-C5310U	CQ-C5210U	CQ-C5110U
MP3/WMA playback	Yes	Yes	None	None
CD text display	Yes	Yes	None	None
AUX-IN	Yes	Yes	None	None
SBC-SW (Super Base Control Sub-Woofer)	Yes	None	Yes	None
Pre-amp output voltage	5 V	2.5 V	5 V	2.5 V

This can only be controlled through **the main unit**.

This can only be controlled through **the remote control unit**.

Operations with neither mark can be performed either by the main unit or the remote control unit.

Indicates features applicable to
CQ-C5410U CQ-C5410U only.
CQ-C5310U CQ-C5310U only.
CQ-C5210U CQ-C5210U only.
CQ-C5110U CQ-C5110U only.

4. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

5. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

6. NOTES

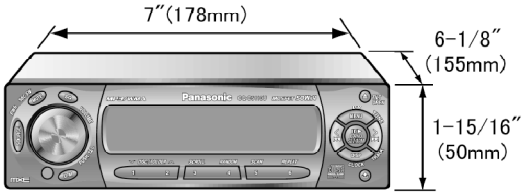
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

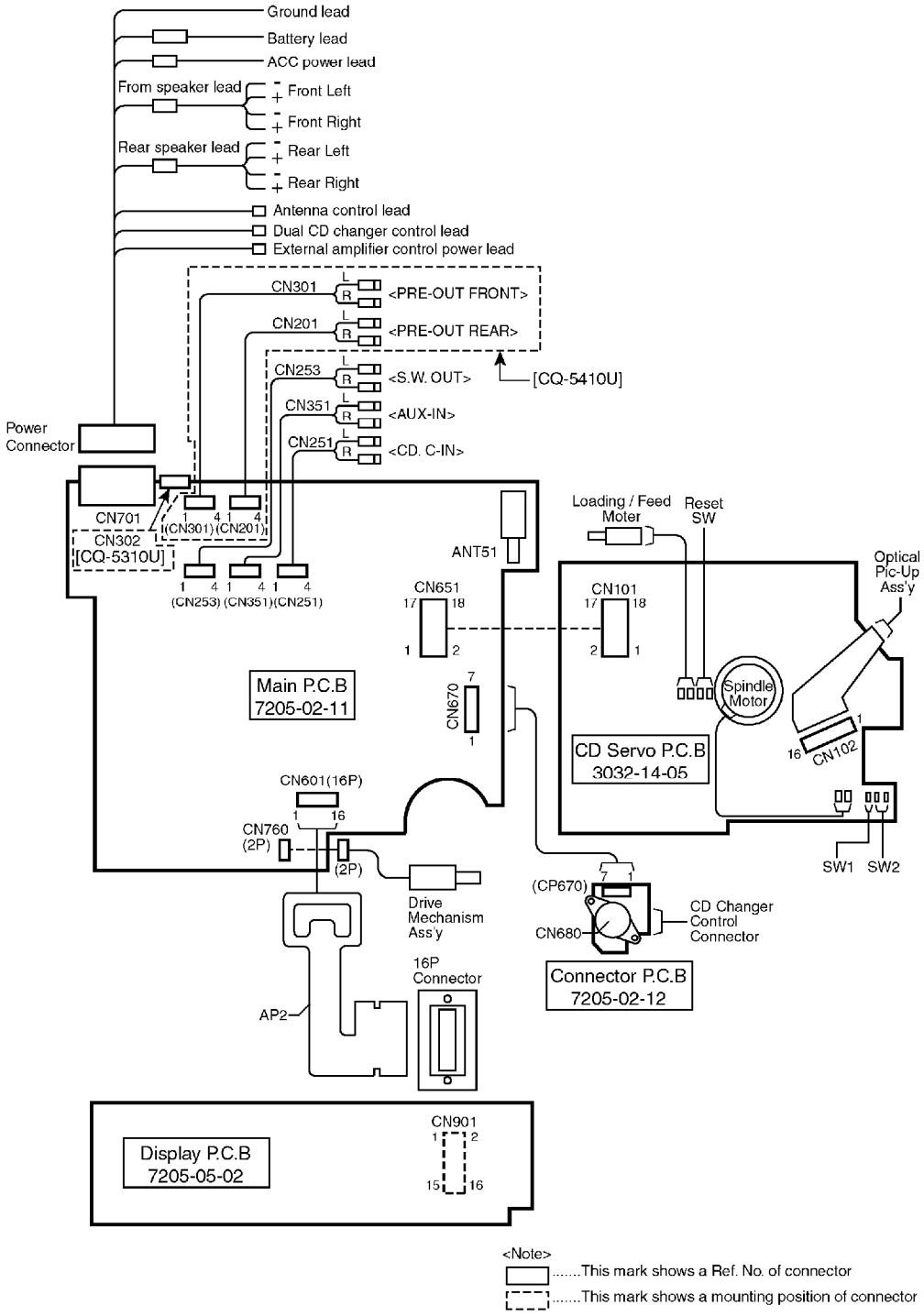
This model has no servo alignment points because microcomputer controls the servo circuit.

7. DIMENSIONS

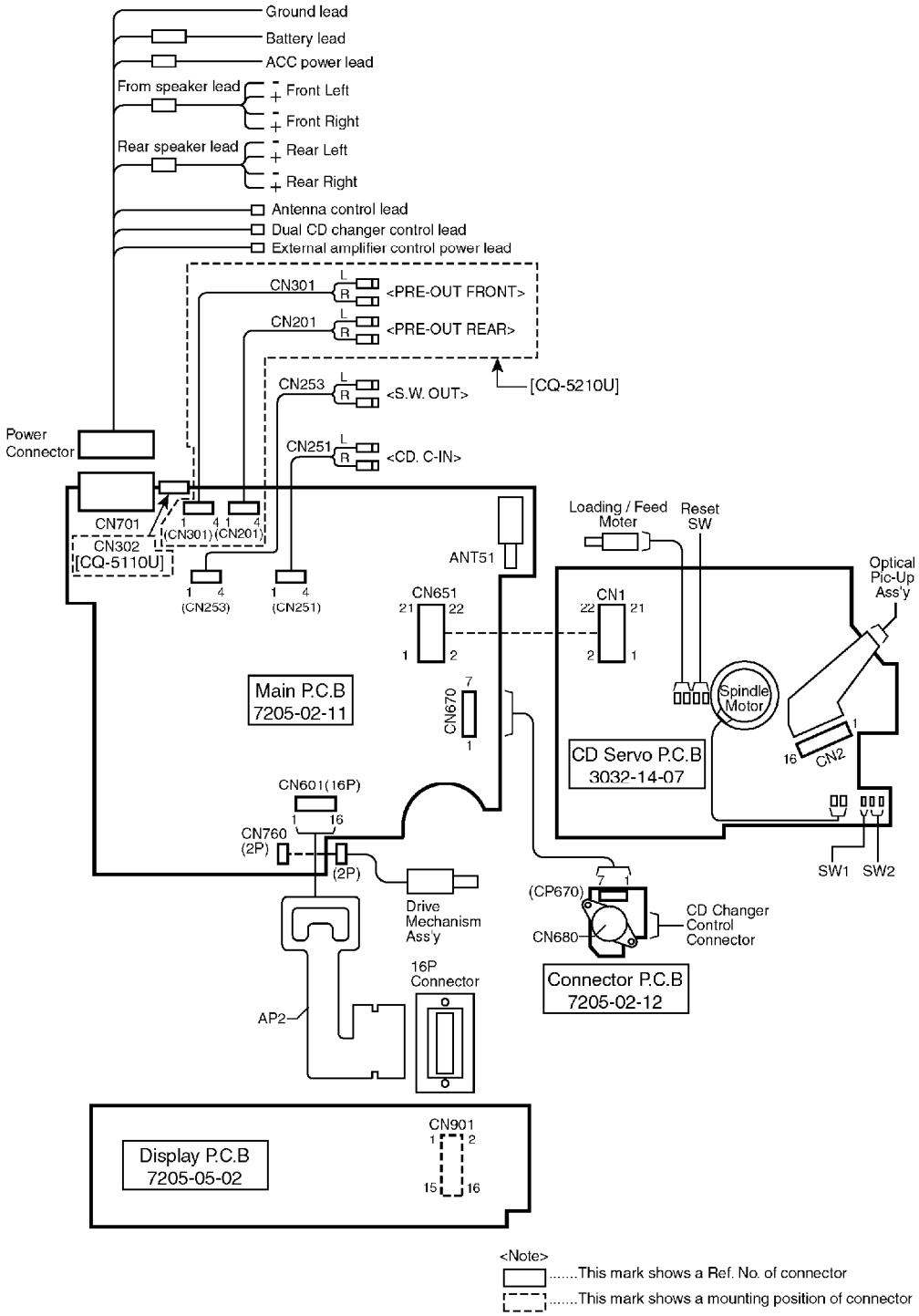


8. WIRING CONNECTION

8.1. CQ-C5410U/C5310U



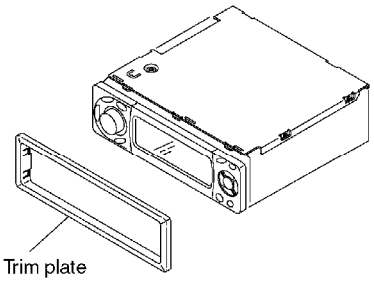
8.2. CQ-C5210U/C5110U



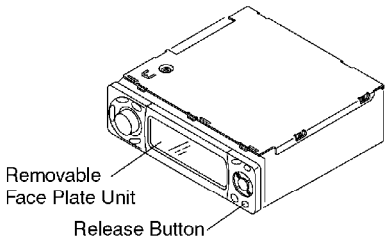
9. DISASSEMBLY INSTRUCTIONS

■ How to remove the Flexible PCB

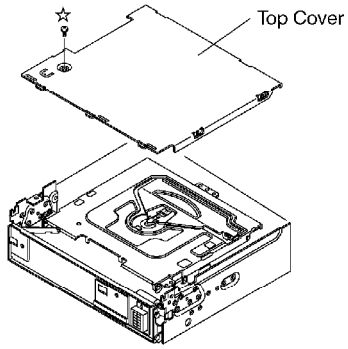
1. Remove the Trim Plate.



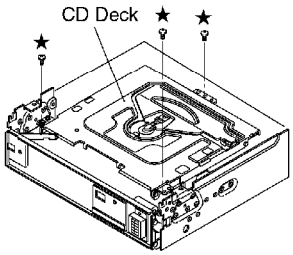
2. Remove the Removable Face Plate unit by pressing the Release Button.



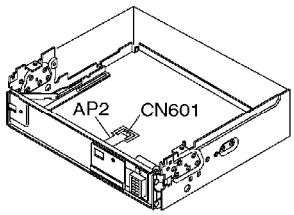
3. Remove the screw(☆) and remove the Top Cover.



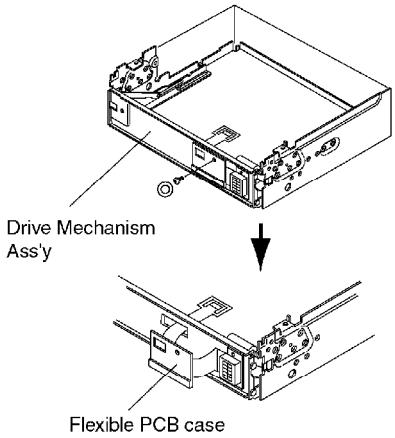
4. Remove the 3 screws(★) and remove the CD Deck.



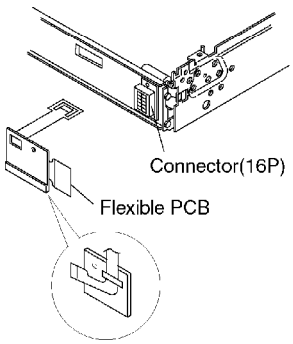
5. Remove the Flexible PCB from the CN601 (7205-02-11).



6. Remove the screw(◎) from the Drive Mechanism Ass'y and remove the Flexible PCB case.



7. Remove the Flexible PCB from the Connector(16P).



10. TERMINALS DESCRIPTION

10.1. Main Block

IC601 : YESAM238 [CQ-C5410U] / YESAM236 [CQ-C5310U]

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
1	PANEL OPEN	PANEL OPEN detection	I	5.2	5.2	5.2
2	PANEL CLOSE	PANEL CLOSE detection	I	0	0	0
3	NC	No Connection	-	-	-	-
4	BATT	BATT detection	I	5.1	5.1	5.1
5	ACC	ACC detection	I	5.1	5	5.1
6	SDA	Electronic VOL data	I/O	5	5	5
7	SCK	Electronic VOL clock	O	5	0	5
8	NC	No Connection	-	-	-	-
9	Vss	GND	-	0	0	0
10	ST	FM ST detection	I	5.1	5.1	5.1
11	PLL DI (MO)	PLL data output	O	0	0	0
12	PLL DO (MI)	PLL data input	I	5.2	5.2	5.2
13	PLL CLK	PLL clock output	O	5	5	5
14	PLL CE	PLL chip enable output	O	0	0	5
15	CD RST	CD deck reset output	O	5	5	0
16	SUB SI	SUB CPU Data	O	4.9	4.9	4.9
17	NC	No Connection	-	-	-	-
18	SUB SO	SUB CPU Data	I	4.2	4.2	4.2
19	CD SO (MI)	CD Data	I	1.4	1.4	1.4
20	CD SCK	CD clock transmit	O	4.9	4.9	4.9
21	Vdd	Power supply	I	5	5	5
22	CD SI (MO)	CD Data	O	0	0	0
23	NC	No Connection	-	-	-	-
24	CDC CLK	CD Changer clock	I	0	0	0
25	CONDENSOR	Capacitor for power supply	-	3.2	3.2	3.2
26	CDC DATA	CD Changer data	i	0	0	0
27	CDC STB	Changer storobe signal input	i	0	0	0
28	CD IN	DISC In detection	I	4.9	4.9	0.4

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
29	DECK V CONT	DECK power supply control output	O	5	5	5
30	CD STB	Strobe signal for CD communication	O	3.3	3.3	3.3
31	NC	No Connection	-	-	-	-
32	Avdd	Power supply of D/A converter	I	5.1	5.1	5.1
33	AVREF	Reference voltage for D/A converter	I	5.1	5.1	5.1
34	AVGND	Reference GND for D/A converter	I	0	0	0
35	AVSS	GND for A/D and D/A converter	I	0	0	0
36	SD	FM/AM signal strength	I	0.3	0	0.3
37	INIT A	Initializ A	I	0	0	0
38	INIT B	Initializ B	I	0	0	0
39	A IN	SPE.ANA A.IN	I	0	0	0
40	Vss	GND	I	0	0	0
41	CD A0	Signal output according to command employment	O	0	0	5.1
42	CD RFOK (NC)	No Connection	-	-	-	-
43	CD LOCK (NC)	No Connection	-	-	-	-
44	CD LIMIT (NC)	No Connection	-	-	-	-
45	CD SW1 (NC)	No Connection	-	-	-	-
46	CD SW2 (NC)	No Connection	-	-	-	-
47	MOD0	Operating mode input 0	I	5.2	5.2	5.2
48	MOD1	Operating mode input 1	I	5.1	5.1	5.1
49	MOD2	Operating mode input 2	I	0	0	0
50	H STANDBY	External standby input	I	5.1	5.1	5.1

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
51	DC DC CNT (NC)	No connection	-	-	-	-
52	FP MOTOR1	Front open/close control 1	O	5	5	5
53	FP MOTOR2	Front open/close control 2	O	5	5	5
54	V CNT1	Panel driving voltage control 1	O	0	0	0
55	V CNT2 (NC)	No Connection	-	-	-	-
56	SA CLK	Spectrum analizer clock	O	5	4.9	4.9
57	EXT MUTE	TEL/NAVI MUTE input	I	5.4	5.4	5.4
58	AMP CONT	External AMP control	O	5	5	5
59	BZ-OUT	Buzzer output	O	0	0	0
60	ANT CONT	Motor antenna control	O	5	5	0
61	DIM1	Dimmer control output 1	O	0	0	0
62	DIM2	Dimmer control output 2	O	0	0	0
63	CDC REM OUT	Remote control data for CD Changer	O	5	5	5
64	CDC SENS	CDC 1/2 detection	I	5.1	5.1	5.1
65	CDC 1/2	CDC 1/2 change output	O	0	0	0
66	NC	No Connection	-	-	-	-
67	MAIN W.U REQ	Main wake-up request	I	4.9	4.9	4.9
68	NC	No Connection	-	-	-	-
69	RDS CLK (NC)	No Connection	-	-	-	-
70	NC	No Connection	-	-	-	-
71	RDS DATA (NC)	No Connection	-	-	-	-

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
72	MAIN CONT	MAIN power supply control	O	5	4.9	4.9
73	INV CONT	INV power supply control	O	5.1	5	5
74	AF MUTE	AF MUTE control	O	5.1	5.1	5.1
75	RESET	Reset input	I	5.1	5.1	5.1
76	NC	No Connection	-	-	-	-
77	NC	No Connection	-	-	-	-
78	NC	-	I	0	0	0
79	Vss	GND	I	0	0	0
80	X1	Crystal oscillator input	I	2.1	2.1	2.1
81	X2	Crystal oscillator output	O	2.5	2.5	2.5
82	Vdd	Power supply	I	5.1	5.1	5.1
83	P00	Pldaun port for writing	I	0	0	0
84	P01	Pull-up port for writing	I	5.1	5.1	5.1
85	OFFSET DET	PWR-IC offset detection	I	0	0	0
86	STBY	PWR-IC STBY control output	O	5.1	5.1	5.1
87	AMP MUTE	PWR-IC MUTE control output	O	0	0	0
88	ILL SENS (NC)	External dimmer control input	I	5.1	5.1	5.1
89	SUBM CNT (NC)	No Connection	-	-	-	-
90	EP DO (MI) (NC)	No Connection	-	-	-	-
91	EP D0 (M0) (NC)	No Connection	-	-	-	-
92	EP SK (NC)	No Connection	-	-	-	-
93	SUB W U REQ/ LCD CE	Sub Wake-up request	O	0	0	0
94	DISPM CNT	Power supply control for display	O	0	0	0

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
95	EJE ILL (NC)	No Connection	-	-	-	-
96	Rotary 1	Rotary Encoder 1	I	4.9	5	5
97	Rotary 2	Rotary Encoder 2	I	4.9	4.9	5
98	S LED	Security LED control output	O	0	0	0
99	PANEL IN	PANEL detect	I	5.3	5.3	5.3
100	EP CS (NC)	No Connection	-	-	-	-

IC601 : YESAM239 [CQ-C5210U] / YESAM237 [CQ-C5110U]

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
1	PANEL OPEN	PANEL OPEN detection	I	5.2	5.2	5.2
2	PANEL CLOSE	PANEL CLOSE detection	I	0	0	0
3	NC	No Connection	-	-	-	-
4	BATT	BATT detection	I	5.1	5.1	5.1
5	ACC	ACC detection	I	5.1	5	5.1
6	SDA	Electronic VOL data	O	5	5	5
7	SCK	Electronic VOL clock	O	5	0	5
8	NC	No Connection	-	-	-	-
9	Vss	GND	-	0	0	0
10	ST	FM ST detection	I	5.1	5.1	5.1
11	PLL DI (MO)	PLL data output	O	0	0	0
12	PLL DO (MI)	PLL data input	I	5.2	5.2	5.2
13	PLL CLK	PLL clock output	O	5	5	5
14	PLL CE	PLL chip enable output	O	0	0	5
15	CD RST	CD deck reset output	O	5	5	0
16	SUB SI	SUB CPU Data	O	4.9	4.9	4.9
17	NC	No Connection	-	-	-	-
18	SUB SO	SUB CPU data	I	4.2	4.2	4.2
19	CD SO (MI)	CD Data recept	I	1.4	1.4	1.4

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
20	CD SCK	CD clock	O	4.9	4.9	4.9
21	Vdd	Power supply	-	5	5	5
22	CD SI (MO)	CD Data transmit	O	0	0	0
23	NC	No Connection	-	-	-	-
24	CDC CLK	CD Changer Clock	I	0	0	0
25	CONDENSOR	Capacitor for power supply	-	3.2	3.2	3.2
26	CDC DATA	CD Changer data	I	0	0	0
27	CDC STB	Changer strobe signal input	I	0	0	0
28	CD IN	DISC In detection	I	4.9	4.9	0.4
29	DECK V CONT	DECK power supply control output	O	5	5	5
30	CD STB	Strobe signal for CD communication	O	3.3	3.3	3.3
31	CD OSCSTP	CD OSC stop signal output	O	-	-	-
32	Avdd	Power supply for D/A converter	-	5.1	5.1	5.1
33	AVREF	Reference voltage for D/A converter	-	5.1	5.1	5.1
34	AVGND	Reference GND for D/A converter	-	0	0	0
35	AVSS	GND for A/D and D/A converter	-	0	0	0
36	SD	FM/AM signal strength	I	0.3	0	0.3
37	INIT A	Initializ A	I	0	0	0
38	INIT B	Initializ B	I	0	0	0
39	A IN	SPE.ANA A.IN	I	0	0	0
40	Vss	GND	-	0	0	0
41	CD A0	Signal output according to command employment	O	0	0	5.1
42	CD RFOK (NC)	No Connection	-	-	-	-
43	CD LOCK (NC)	No Connection	-	-	-	-

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
44	CD LIMIT (NC)	No Connection	-	-	-	-
45	CD SW1 (NC)	No Connection	-	-	-	-
46	CD SW2 (NC)	No Connection	-	-	-	-
47	MOD0	Operating mode input 0	I	5.2	5.2	5.2
48	MOD1	Operating mode input 1	I	5.1	5.1	5.1
49	MOD2	Operating mode input 2	I	0	0	0
50	H STANDBY	External standby input	I	5.1	5.1	5.1
51	DC DC CNT (NC)	No Connection	-	-	-	-
52	FP MOTOR1	Front open/close control 1	O	5	5	5
53	FP MOTOR2	Front open/close control 2	O	5	5	5
54	V CNT1	Panel driving voltage control 1	O	0	0	0
55	V CNT2 (NC)	No Connection	-	-	-	-
56	SA CLK	Spectrum analizer clock	O	5	4.9	4.9
57	EXT MUTE	TEL/NAVI MUTE input	I	5.4	5.4	5.4
58	AMP CONT	External AMP control	O	5	5	5
59	BZ-OUT	Buzzer output	O	0	0	0
60	ANT CONT	Motor antenna control	O	5	5	0
61	DIM1	Dimmer control output 1	O	0	0	0
62	DIM2	Dimmer control output 2	O	0	0	0
63	CDC REM OUT	Remote Control data for CD Changer	O	5	5	5

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
64	CDC SENS	CDC 1/2 detection	I	5.1	5.1	5.1
65	CDC 1/2	CDC 1/2 change output	O	0	0	0
66	NC	No Connection	-	-	-	-
67	MAIN.W.UP.REQ	Main wake-up request	I	4.9	4.9	4.9
68	RDS (NC)	No Connection	-	-	-	-
69	RDS CLK (NC)	No Connection	-	-	-	-
70	NC	No Connection	-	-	-	-
71	RDS DATA (NC)	No Connection	-	-	-	-
72	MAIN CONT	MAIN power supply control	O	5	4.9	4.9
73	INV CONT	INV power supply control	O	5.1	5	5
74	AF MUTE	AF MUTE control	O	5.1	5.1	5.1
75	RESET	Reset input	I	5.1	5.1	5.1
76	NC	No Connection	-	-	-	-
77	NC	No Connection	-	-	-	-
78	NC	No Connection	-	-	-	-
79	Vss	GND	I	0	0	0
80	X1	Crystal oscillator input	I	2.1	2.1	2.1
81	X2	Crystal oscillator output	O	2.5	2.5	2.5
82	Vdd	Power supply	I	5.1	5.1	5.1
83	P00	Pldaun port for writing	I	0	0	0
84	P01	Pull-up port for writing	I	5.1	5.1	5.1
85	OFFSET DET	PWR-IC OFFSET detection	I	0	0	0
86	STBY	PWR-IC STBY control output	O	5.1	5.1	5.1
87	AMP MUTE	PWR-IC MUTE control output	O	0	0	0
88	ILL SENS	External dimmer control input	I	5.1	5.1	5.1
89	SUBM CONT (NC)	No Connection	-	-	-	-

Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD
90	EP DO (MI) (NC)	No Connection	-	-	-	-
91	NC/EP DI (MO)	No Connection	-	-	-	-
92	NC/EP-SK	No Connection	-	-	-	-
93	SUB W U REQ	Sub wake-up request	O	0	0	0
94	DISPM CONT	Power supply control for display	O	0	0	0
95	EJE ILL(NC)	No Connection	-	0	0	0
96	NC/ ROTARY1	Rotary Encoder 1	I	4.9	5	5
97	NC/ ROTARY2	Rotary Encoder 2	I	4.9	4.9	5
98	S LED	Security LED control output	O	0	0	0
99	PANEL IN	PANEL detect	I	5.3	5.3	5.3
100	EP CS (NC)	No Connection	-	-	-	-

10.2. Display Block

IC901 : YESAM168

Pin No.	Port	Description	I/O	(V)
1-51	S3-53	LCD segment data	O	2.5
52-55	COM1-4	LCD common	O	2.5
56, 57	KS54, 55	LCD segment data	O	2.5
58-61	KS3-6	Key strobe	O	5.0
62-66	KI1-5	Key data	I	0
67	VDD	+5V power supply	-	5.0
68	VLCD0	VLCD0 filter terminal	-	5.0
69	VLCD1	VLCD1 filter terminal	-	3.3
70	VLCD2	VLCD2 filter terminal	-	1.7
71	VSS	Ground	-	0
72	TEST	(Connecting to ground)	-	0
73	OSC	Oscillator terminal	-	5.0

74	RESET	(Connecting to +5V)	I	5.0
75	DO	Key data output	O	5.0
76	CE	LCD driver chip enable	I	0
77	CLK	LCD clock	I	5.0
78	DI	LCD data	I	5.0

10.3. CD Servo Block / [CQ-C5410U/CQ-C5310U]

IC401 : YESAM176

Pin No.	Port	Descriptions	I/O	(V)
1	CVSS1	GND	-	0
2	-	-	-	-
3	CVSS2	GND	-	0
4	DVSS1	I/O system (3.3V) power supply	-	3.3
5	A10	Address bus of FLASH ROM	O	0
6	-	-	-	-
7	A11	Address bus of FLASH ROM	O	3.3
8	A12		O	3.3
9	A13		O	3.3
10	A14		O	3.3
11	A15		O	3.3
12	/CVDD1	CORE CPU system (1.6V) power supply	-	1.6
13	-	-	-	-
14	DVSS1	GND	-	0
15	CVSS3	GND	-	0
16	/CVDD2	I/O system (3.3V) power supply	-	1.6
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	nPS	FLASH ROM selection signal	O	3.3
21	-	-	-	-
22	-	-	-	-
23	R/W	Lead/light signal to FLASH ROM	O	3.3
24	nMSTRB	Memory access signal	O	3.3
25	-	-	-	-
26	-	-	-	-
27	MUTE	Mute signal output (H: Mute on)	O	0
28	-	-	-	-

Pin No.	Port	Descriptions	I/O	(V)
29	-	-	-	-
30	-	-	-	-
31	SUBO	SUBO input	I	0
32	-	Operation mode setting (external pull-up)	I	3.3
33	DVDD2	I/O system (3.3V) power supply	-	3.3
34	CVSS4	GND	-	0
35	(GND)	GND	I	0
36	-	-	-	-
37	CVSS5	GND	-	0
38	-	-	-	-
39	-	-	-	-
40	DVSS2	GND	-	0
41	CLK C M	AUDIO bit clock input	I	1.6
42	SCK	Clock input	I	3.3
43	LRCK C M	AUDIO L/R identifying signal input	I	1.6
44	CDFS	Serial frame sink signal input	I	2.6
45	DATA M C	AUDIO serial data input	I	1.6
46	-	-	-	-
47	SI	Serial data input	I	0
48	CLK M C	AUDIO bit clock output	O	1.6
49	SCK	Clock input	I	3.3
50	CVSS6	GND	-	0
51	-	-	-	-
52	CVDD3	CORE CPU system (1.6V) power supply	-	1.6
53	LRCK M C	AUDIO L/R identifying signal output	O	1.6
54	CDFS	Serial frame sink signal input	I	2.4
55	-	-	-	-
56	DVDD3	I/O system (3.3V) power supply	-	3.3
57	DVSS3	GND	-	0
58	REST SW	Mechanics deck REST SW input	I	3.3
59	DATA M C	AUDIO serial data output	O	1.6
60	SO	Serial data output	O	1.2

Pin No.	Port	Descriptions	I/O	(V)
61	-	-	-	-
62	-	-	-	-
63	-	-	-	-
64	-	-	-	-
65	-	-	-	-
66	BLKCK	Subcode block clock pulse input	I	0
67	-	-	-	-
68	DVDD4	CORE CPU system (1.6V) power supply	-	1.6
69	SW1	Mechanics deck SW1 input	I	0
70	CVSS7	GND	-	0
71	MCLK	Clock output (to Servo DSP)	O	3.3
72	DVSS4	GND	-	0
73	MLD	Command load signal output (to Servo DSP)	I	3.3
74	MDATA	Command data output (to Servo DSP)	O	3.3
75	DVDD4	I/O system (3.3V) power supply	-	3.3
76	DVSS5	GND	-	0
77	-	Clock mode setting (L fixation)	I	0
78	-	Clock mode setting (H fixation)	I	3.3
79	-	Clock mode setting (L fixation)	I	-
80	-	-	-	-
81	SW2	Mechanics deck SW2 input	I	0
82	-	-	-	-
83	-	-	-	-
84	-	-	-	-
85	-	-	-	-
86	-	-	-	-
87	-	-	-	-
88	-	-	-	-
89	-	-	-	-
90	CVSS8	GND	-	3.3
91	CVDD5	CORE CPU system (1.6V) power supply	-	0
92	(GND)	GND	I	1.6
93	DVSS6	GND	-	0
94	-	-	-	-

Pin No.	Port	Descriptions	I/O	(V)
95	CLKENA	Oscillation output Cainabl signal	O	3.3
96	×1	Crystal Connection	O	0
97	×2	Crystal Connection	I	0
98	(VDD)	Reset signal input	I	1
99	D0	Data base of FLASH ROM	I/O	3.4
100	D1		I/O	0
101	D2		I/O	0
102	D3		I/O	0
103	D4		I/O	0
104	D5		I/O	0
105	A16	Address bus of FLASH ROM	O	0
106	DVSS7	GND	-	0
107	A17	Address bus of FLASH ROM	O	3.3
108	A18		O	0
109	A19		O	0
110	A20		O	0
111	CVSS9	GND	-	0
112	DVDD5	I/O system (3.3V) power supply	-	3.3
113	D6	Data bus of FLASH ROM	I/O	0
114	D7		I/O	0
115	D8		I/O	0
116	D9		I/O	0
117	D10		I/O	0
118	D11	Data bus of FLASH ROM	I/O	0
119	D12		I/O	0
120	STAT	Status signal input	I	0.4
121	D13	Data path of FLASH ROM	I/O	0
122	D14		I/O	0
123	D15		I/O	0
124	SQCK	SOCK clock output (to Servo DPS)	O	3.2
125	CVDD6	CORE CPU system (1.6V) power supply	-	1.6
126	CVSS10	GND	-	0
127	-	-	-	-
128	DVSS8	I/O system (3.3V) power supply	-	0
129	-	-	-	-
130	DVDD6	I/O system (3.3V) power supply	-	3.3

Pin No.	Port	Descriptions	I/O	(V)
131	A0	Address bus of FLASH ROM	O	0
132	A1		O	0
133	A2		O	3.3
134	A3		O	3.3
135	/RST	Reset signal output (to Servo DSP)	O	3.3
136	A4	Address bus of FLASH ROM	O	3.3
137	A5		O	0
138	A6		O	3.3
139	A7		O	3.3
140	A8		O	0
141	A9		O	3.3
142	CVDD7	CORE CPU system (1.6V) power supply	-	1.6
143	-	-	-	-
144	DVSS9	GND	-	0

10.4. CD Servo Block / [CQ-C5210U/CQ-C5110U]

IC1 : YESAM148

Pin No.	Port	Description	I/O	(V)
1	D.GND	Digital Ground	-	0
2	RFOK	RFOK Signal	O	5
3	/RST	Reset	I	5
4	A0	Address 0	I	4.6
5	/STB	Strobe	I	5.2
6	/SCK	Serial Clock	I	5.2
7	SO	Serial Data Output	O	0
8	SI	Serial Data Input	I	3
9	/XTALEN	Crystal Oscillaton Enable	I	0
10	D.VDD	Digital Power Supply	-	5
11	DA.VDD	D/A Converter Power Supply	-	4.9
12	ROUT	R-channel Audio Signal Output	O	-
13	DA.GND	D/A Converter Ground	-	-
14	REGC	Capacitor Connection for Regulator	-	-
15	DA.GND	D/A Converter Ground	-	-
16	LOUT	L-channel Audio Signal Output	O	-
17	DA.VDD	D/A Converter Power Supply	-	-
18	R+(NC)	-	-	-

Pin No.	Port	Description	I/O	(V)
19	R-(NC)	-	-	-
20	L-(NC)	-	-	-
21	L+(NC)	-	-	-
22	X.VDD	Crystal Oscillator Power Supply	-	-
23	XTAL	Crystal Connection	O	2.4
24	/XTAL	Crystal Connection	I	2.4
25	X.GND	Crystal Oscillator Ground	-	0
26	D.VDD	Digital Power Supply	-	5
27	EMPH (NC)	-	-	-
28	FLAG (NC)	-	-	-
29	DIN	Data Input	I	2.7
30	DOUT	Data Output	O	2.7
31	SCKIN	Serial Clock Input	I	2.8
32	SCKO	Serial Clock Output	O	2.8
33	LRCKIN	LR Clock Input	I	2.6
34	LRCK	LR Clock	O	2.6
35	HOLD/ WDCK (NC)	-	-	-
36	TX (NC)	-	-	-
37	D.GND	Digital Ground	-	0
38	C16M (NC)	-	-	-
39	LIMIT (NC)	-	-	-
40	D.VDD	Digital Power Supply	-	5
41	LOCK	Lock	O	5
42	RFCK (NC)	-	-	-
43	MIRR/ WFCK (NC)	-	-	-
44	PLCK (NC)	-	-	-
45	D.GND	Digital Ground	-	0
46	C1D1 (NC)	-	-	-
47	C1D2 (NC)	-	-	-
48	C2D1 (NC)	-	-	-
49	C2D2 (NC)	-	-	-

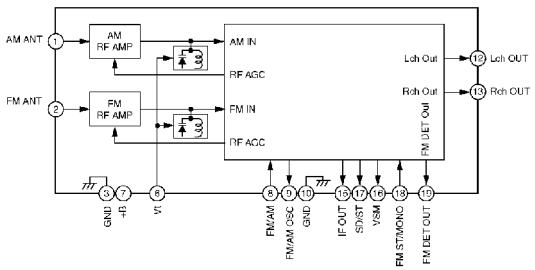
Pin No.	Port	Description	I/O	(V)
50	C2D3 (NC)	-	-	-
51	D.VDD	Digital Power Supply	-	5
52	PACK (NC)	-	-	-
53	TSO (NC)	-	-	-
54	TSI	Parameter Input for Text Data	I	0
55	/TSCK	Serial Clock for Text Data	I	0
56	TSTB	Text Parameter Strobe	I	0
57	D.GND	Digital Ground	-	0
58	TEST0	Test	I	0
59	TEST1	Test	I	0
60	ATEST	Analog Test	O	2.2
61	A.GND	Analog Ground	-	0
62	FD	Focus Drive	O	2.5
63	TD	Tracking Drive	O	2.5
64	SD	Sled Drive	O	2.6
65	MD	Motor Drive	O	2.5
66	DAC0 (NC)	-	-	-
67	DAC1 (NC)	-	-	-
68	DAC2 (NC)	-	-	-
69	DAC3 (NC)	-	-	-
70	A.VDD	Digital Power Supply	-	5
71	EFM	EFM Signal	O	2.7
72	ASY	Slice Level	I	2.5
73	C3T	Capacitance Connection for 3T Signal Detecting Circuit	-	2.7
74	RFI	RF Signal Input	I	2.5
75	AGCO	AGC Amp Output	O	2.5
76	AGCI	AGC Amp Input	I	2.5
77	RFO	RF Amp Output	O	2.6
78	EQ2	Equalizer Parts Connection for RF Amp	-	2.5
79	EQ1	Equalizer Parts Connection for RF Amp	-	0
80	RF-	Impedance Connection to RF Amp for Negative Feedback	I	2.4
81	A.GND	Analog Ground	-	0

Pin No.	Port	Description	I/O	(V)
82	A	Error Signal Input	I	2.7
83	C (NC)	-	-	-
84	B	Error Signal Input	I	2.7
85	D (NC)	-	-	-
86	F	Error Signal Input	I	3
87	E	Error Signal Input	I	3
88	A.VDD	Analog Power Supply	-	5
89	REFOUT	Reference Output	O	2.5
90	FE -	Impedance Connection to Focus Error Amp for Negative Feedback	I	2.5
91	FEO	Focus Error Amp Output	O	2.5
92	TE -	Impedance Connection to Tracking Error Amp for Negative Feedback	I	2.5
93	TEO	Tracking Error Amp Output	O	2.5
94	TE2	Tracking Error Amp Output Multiplied by Two	O	2.7
95	TEC	Tracking Error Comparator	I	2.5
96	A.GND	Analog Ground	-	0
97	PD	Photo Diode Signal (for Detecting Laser Power) Input	I	0.2
98	LD	Laser Diode Control Current Output	O	3.7
99	PN	APC Circuit Polarity Control	I	0
100	A.VDD	Analog Power Supply	-	5

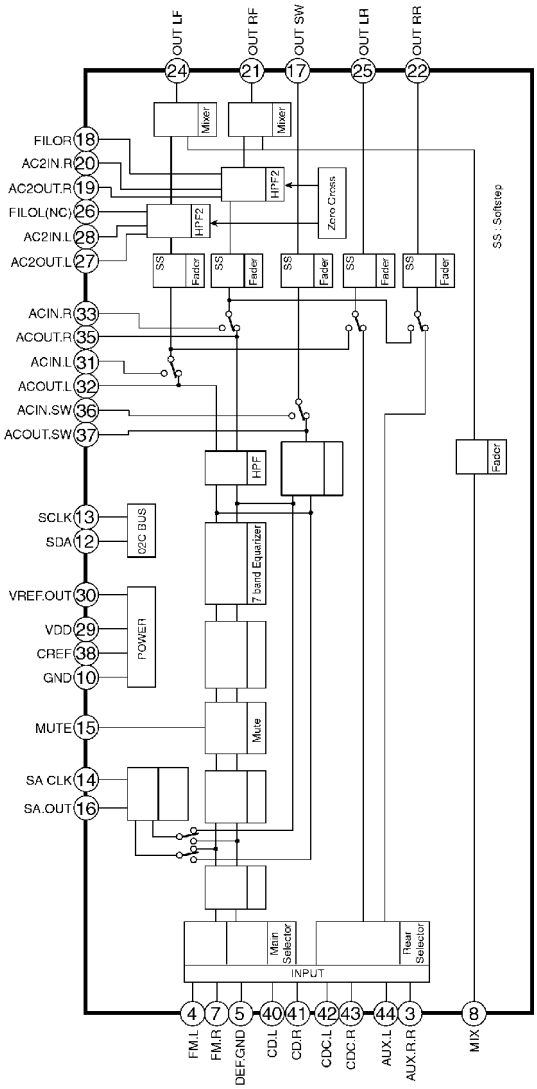
11. PACKAGE AND IC BLOCK DIAGRAM

11.1. Main Block

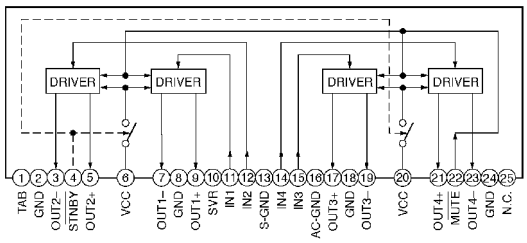
PA51 : C5BA00000109



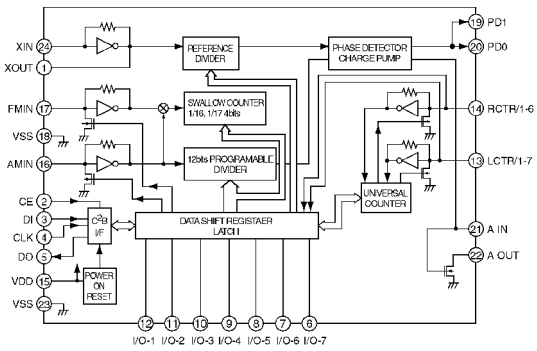
IC201 : C1BB00000796



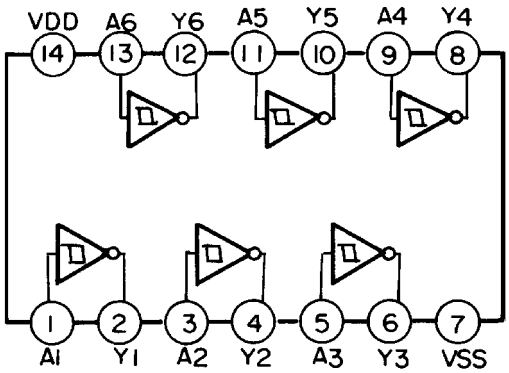
IC271 : C1EA00000021



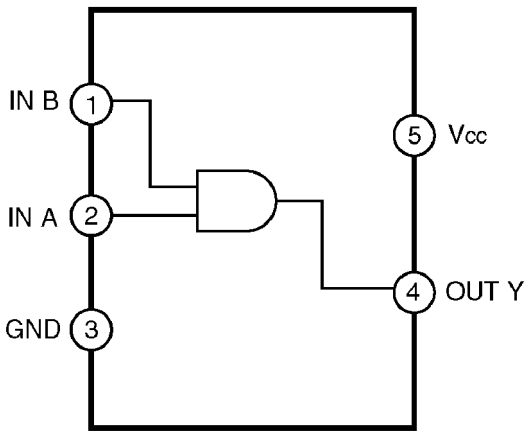
IC401 : YESAM194



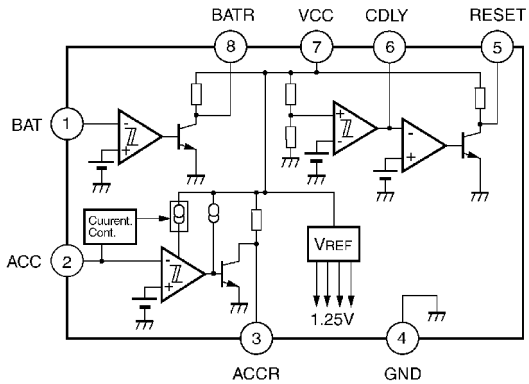
IC670 : YESAM183



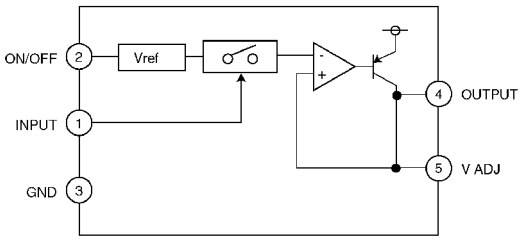
IC650 : YESAM228 (CQ-C5410U/CQ-C5310U)



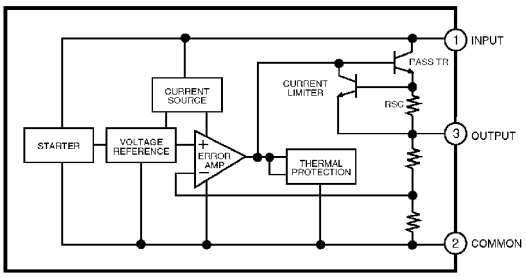
IC702 : AN8065SE1



IC730, 750 : BA00AST

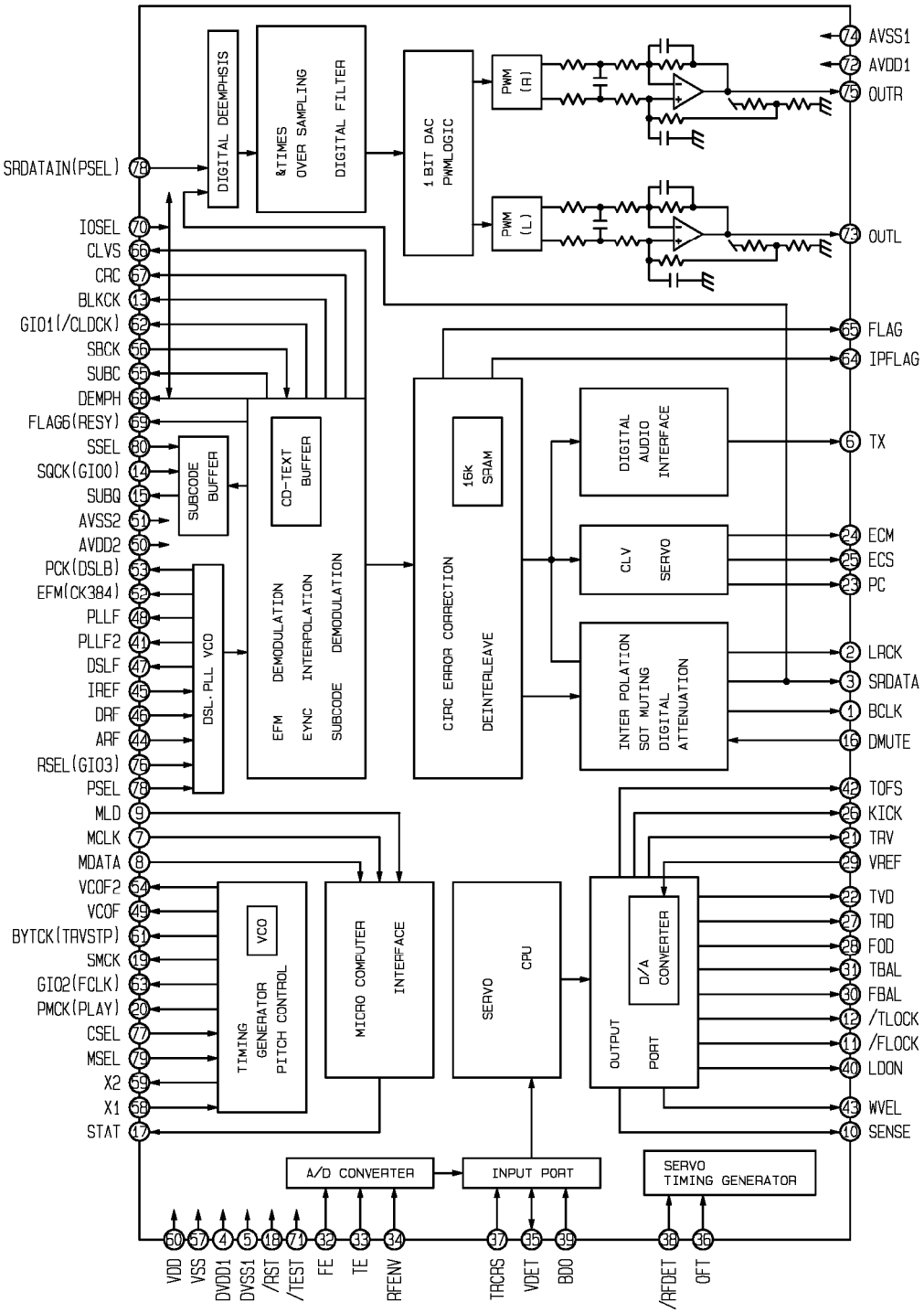


IC752 YESAM159 (CQ-C5210U/CQ-C5110U)

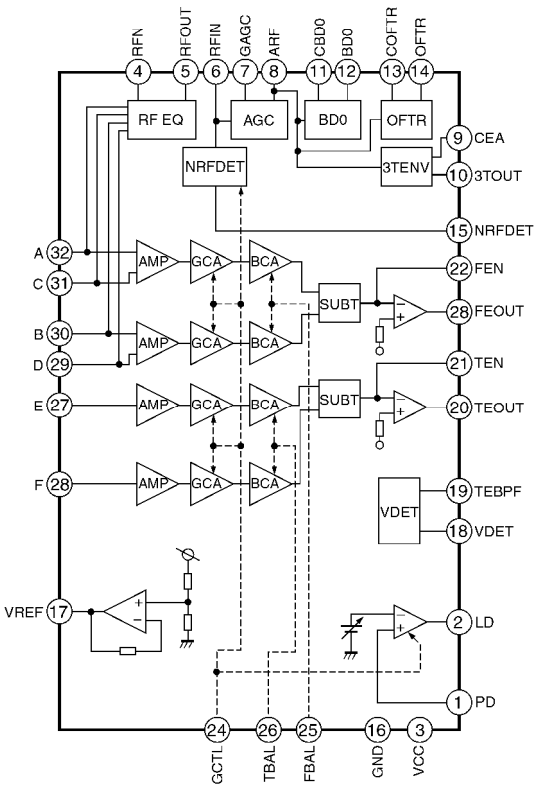


11.2. CD Servo Block [CQ-C5410U/CQ-C5310U]

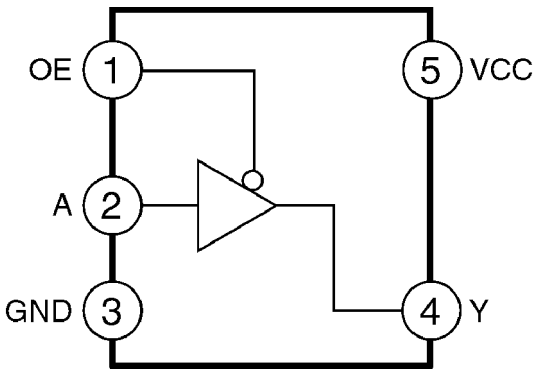
IC201 : MN6627482WB



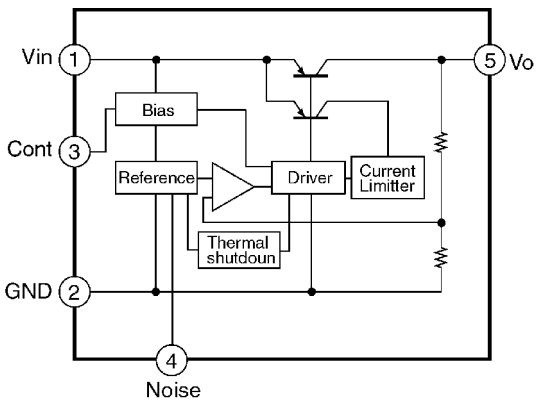
IC202 : YESAM163



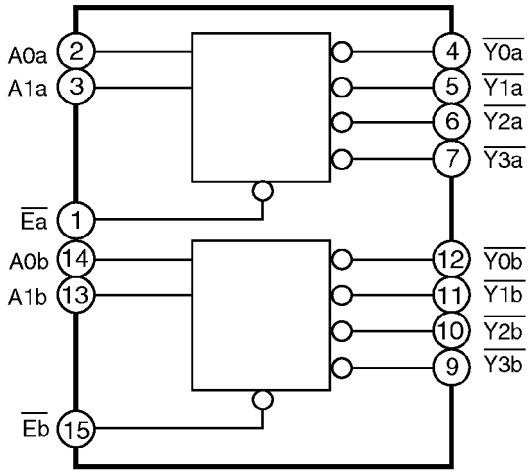
IC409 : YESAM167



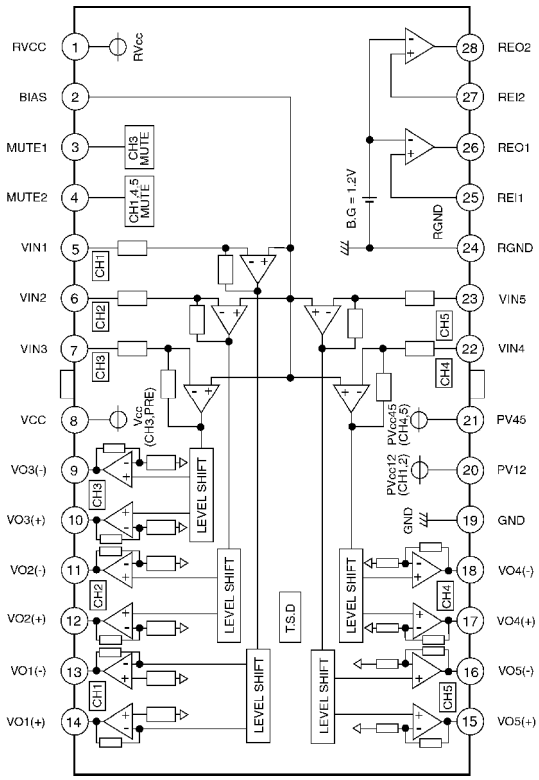
IC411 : YESAM178



IC406 : YESAM171

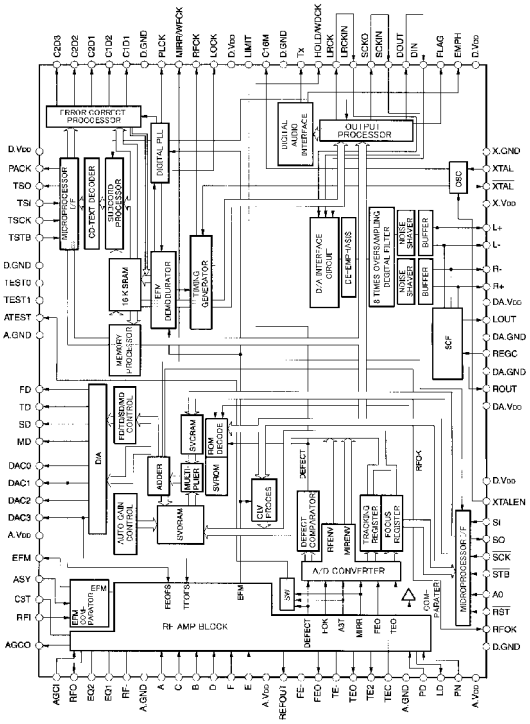


IC203 : YESAM166

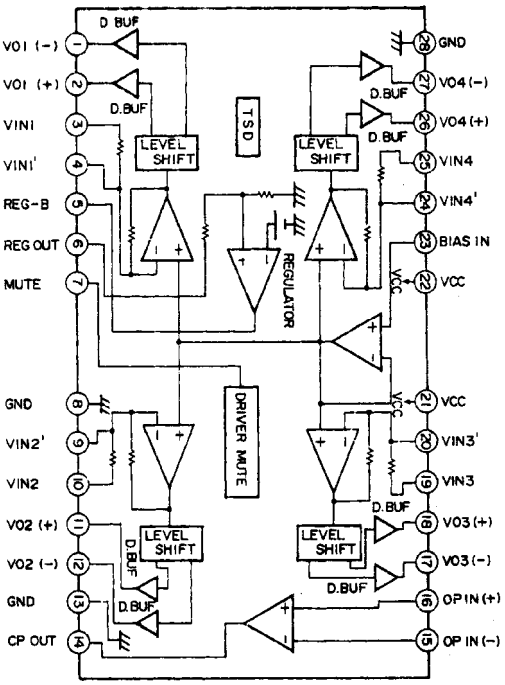


11.3. CD Servo Block [CQ-C5210U/CQ-C5110U]

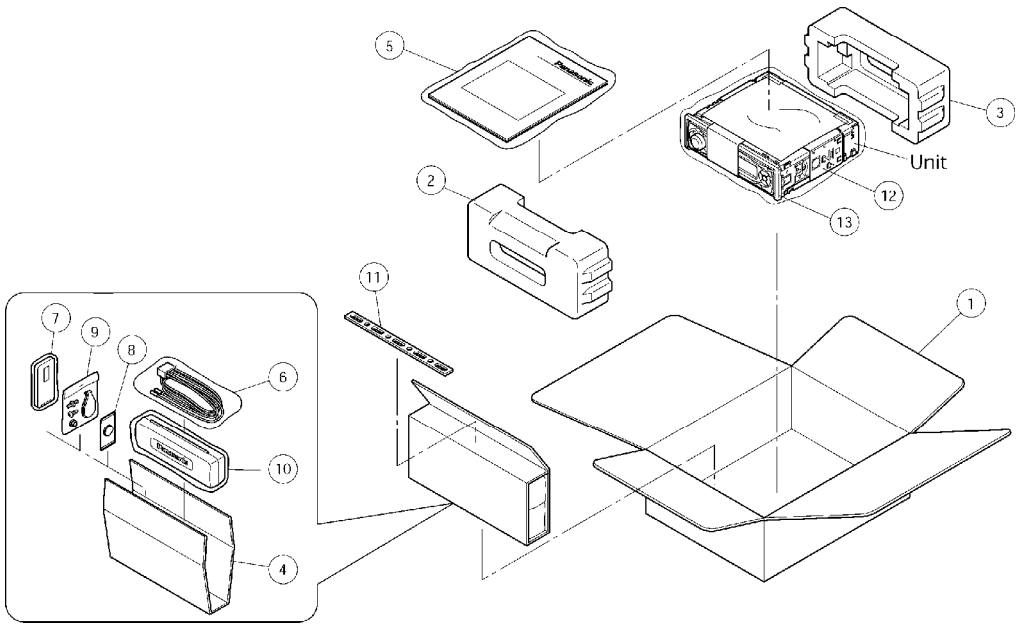
IC1 : YESAM148



IC4 : YESAM226



12. PACKING PARTS LIST



- Item numbers listed below should not order regular spare parts. (not available)

Item No.	Part No.	Part Name & Description	Q'ty	Remarks
1	—	Inner Carton	1	Not available
2	—	Packing Pad (Front)	1	Not available
3	—	Packing Pad (Rear)	1	Not available
4	—	Sleeve	1	Not available
5	—	Operating Instructions Kit	1	Not available
	YEFM284142	Operating Instructions	(1)	
	—	Warranty Card	(1)	Not available
	—	Service Center List	(1)	Not available
6	YESAJ01224	Power Connector	1	
7	YESFZ259	Remote Control Unit	1	
8	CR2025/1F	Lithium Battery	1	
9	YESFZ257	Screws Kit	1	
10	YEFA131839	Removable Face Plate Case	1	
11	YESFX021127	Rear Support Strap	1	
12	YESFX018006	Mounting Collar	1	
13	YEFC05605	Trim Plate	1	

13. REPLACEMENT PARTS LIST [CQ-C5410U]

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have

special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7205-02-11] Main Block			
IC's and TRANSISTORS			
IC201	C1BB00000796	IC	
IC241	C1BB00000650	IC	
IC251	C1BB00000649	IC	
IC271	C1EA00000021	IC	
IC401	YESAM194	IC	
IC601	YESAM238	IC	
IC650	YESAM228	IC	
IC670	YESAM183	IC	
IC702	AN8065SE1	IC	
IC730	BA00AST	IC	
IC750	BA00AST	IC	
IC752	YESAM227	IC	
IC760	C0GBG0000032	IC	
IC761	YESAM235	IC	
PA51	C5BA00000109	Tuner Pack	
Q55	YEANFP1F3PT1	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q263	B1GDCFJJ0002	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q267	B1GDCFJJ0002	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q347	B1GDCFJJ0002	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q363	B1GDCFJJ0002	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q367	B1GDCFJJ0002	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q372	YEANC114YKX	Transistor	
Q376	B1GBCFNN0004	Transistor	
Q411	YEAN2SK536TB	FET	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	
Q650	YEANC114YKX	Transistor	
Q667	YESAN062	Transistor	
Q680	B1GDCFLL0010	Transistor	
Q701	YESAN060	Transistor	
Q702	YESAN060	Transistor	
Q703	B1BCCF000017	Transistor	
Q704	B1GDJCEJ0001	Transistor	
Q705	YEANC4480AN	Transistor	
Q706	2SD2139TA	Transistor	
Q730	B1GBCFNN0004	Transistor	
Q731	B1GBCFNN0004	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q790	YEANHQ1F3PT1	Transistor	
Q791	YEANHQ1F3PT1	Transistor	
Q792	YEANC114YKX	Transistor	
Q793	YEANC114YKX	Transistor	
DIODEs			
D201	YEADSR1544TL	Diode	
D202	YEADSR1544TL	Diode	
D203	YEADSR1544TL	Diode	
D204	YEADSR1544TL	Diode	
D301	YEADSR1544TL	Diode	
D302	YEADSR1544TL	Diode	
D303	YEADSR1544TL	Diode	
D304	YEADSR1544TL	Diode	
D630	B3AAB0000143	LED	
D631-636	YESAD115	Zener Diode	
D637	MA152WATX	Diode	
D670	MA721TX	Diode	
D671	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Zener Diode	
D702	MA721TX	Diode	
D703	YEADRD56M3T1	Zener Diode	
D704	MA721TX	Diode	
D705	B0BC9R600001	Zener Diode	
D706	YESAD130	Zener Diode	
D707	YEADRB051L40	Diode	
D708	MA3X152K0L	Diode	
D709	MA721TX	Diode	
D710	MA721TX	Diode	
D720	MA4091MTA	Zener Diode	
D721	MA721TX	Diode	
D760	YEADRD51M2T1	Zener Diode	
D761	YESAD129	Zener Diode	
D770	MA721TX	Diode	
D771	MA721TX	Diode	
D772	MA4051MTA	Zener Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
CAPACITORs			
C52	YECUS1H470JC	Ceramic, 47pF 50WV	
C54	YESCC313	Electrolytic, 220 μF 10WV	
C55	YESCC234	Ceramic, 0.01 μF 50WV	
C56	YESCC342	Electrolytic, 1 μF 25WV	
C61	YECUS1E273KX	Ceramic, 0.027 μF 25WV	
C62	YECUS1E273KX	Ceramic, 0.027 μF 25WV	
C65	YESCC233	Ceramic, 0.001 μF 50WV	
C202	YESRG183	Chip, 36kΩ 1/8W	
C206	YESCC336	Electrolytic, 2.2 μF 50WV	
C213	YESCC191	Ceramic, 2.2 μF	
C215	YESCC191	Ceramic, 2.2 μF	
C217	YESCC230	Ceramic, 0.33 μF 16WV	
C220	YESCC336	Electrolytic, 2.2 μF 50WV	
C244	YESCC330	Ceramic, 1500pF 630WV	
C245	YESCC334	Electrolytic, 100 μF 16WV	
C246	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C247	YESCC337	Electrolytic, 4.7 μF 50WV	
C248	YESCC335	Electrolytic, 47 μF 16WV	
C249	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C251	YESCC337	Electrolytic, 4.7 μF 50WV	
C254	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C255	YESCC334	Electrolytic, 100 μF 16WV	
C257	YESCC337	Electrolytic, 4.7 μF 50WV	
C259	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C261	YESCC337	Electrolytic, 4.7 μF 50WV	
C263	YESCC338	Electrolytic, 0.047 μF 50WV	
C265	YESCC337	Electrolytic, 4.7 μF 50WV	
C267	YESCC338	Electrolytic, 0.047 μF 50WV	
C271	YESCC235	Ceramic, 0.0047 μF 50WV	
C272	YESCC235	Ceramic, 0.0047 μF 50WV	
C274	YESCC335	Electrolytic, 47 μF 16WV	
C275	YESCC210	Ceramic, 1 μF 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C279	YESCC341	Electrolytic, 4700 μF 16WV	
C302	YESRG183	Chip, 36kΩ 1/8W	
C306	YESCC336	Electrolytic, 2.2 μF 50WV	
C313	YESCC191	Ceramic, 2.2 μF	
C315	YESCC191	Ceramic, 2.2 μF	

Ref. No.	Part No.	Part Name & Description	Remarks
C317	YESCC230	Ceramic, 0.33 μF 16WV	
C318	YESCC191	Ceramic, 2.2 μF	
C320	YESCC336	Electrolytic, 2.2 μF 50WV	
C321	YESCC191	Ceramic, 2.2 μF	
C323	YESCC333	Electrolytic, 10 μF 16WV	
C324	YESCC191	Ceramic, 2.2 μF	
C325	YESCC336	Electrolytic, 2.2 μF 50WV	
C326	YESCC191	Ceramic, 2.2 μF	
C327	YESCC313	Electrolytic, 220 μF 10WV	
C328	YESCC234	Ceramic, 0.01 μF 50WV	
C345	YESCC337	Electrolytic, 4.7 μF 50WV	
C349	YESCC313	Electrolytic, 220 μF 10WV	
C351	YESCC337	Electrolytic, 4.7 μF 50WV	
C354	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C355	YESCC334	Electrolytic, 100 μF 16WV	
C357	YESCC337	Electrolytic, 4.7 μF 50WV	
C358	YESCC335	Electrolytic, 47 μF 16WV	
C359	YESCC313	Electrolytic, 220 μF 10WV	
C361	YESCC337	Electrolytic, 4.7 μF 50WV	
C363	YESCC338	Electrolytic, 0.047 μF 50WV	
C365	YESCC337	Electrolytic, 4.7 μF 50WV	
C367	YESCC338	Electrolytic, 0.047 μF 50WV	
C371	YESCC235	Ceramic, 0.0047 μF 50WV	
C372	YESCC235	Ceramic, 0.0047 μF 50WV	
C374	YESCC336	Electrolytic, 2.2 μF 50WV	
C375	YESCC333	Electrolytic, 10 μF 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C401	YECUS1H150JC	Ceramic, 15pF 50WV	
C402	YECUS1H150JC	Ceramic, 15pF 50WV	
C403	YESCC339	Electrolytic, 100 μF 6.3WV	
C404	YESCC234	Ceramic, 0.01 μF 50WV	
C405	F1H1H101A231	Ceramic, 100pF 50WV	
C411	YESCC234	Ceramic, 0.01 μF 50WV	
C412	YESCC231	Ceramic, 0.022 μF 25WV	
C413	ECQV1H224JL2	Plastic Film, 0.22 μF 50WV	
C414	YESCC313	Electrolytic, 220 μF 10WV	
C601	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C602	YESCC234	Ceramic, 0.01 μF 50WV	
C603	YESCC315	Electrolytic, 330 μF 6.3WV	
C604	EECS0HD473H	Electrolytic, 0.047 μF 5.5WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C605	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C606	YESCC324	Ceramic, 18pF 50WV	
C607	YESCC324	Ceramic, 18pF 50WV	
C608	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C609	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C610	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C630	YESCC315	Electrolytic, 330 μF 6.3WV	
C632	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C633	YESCC335	Electrolytic, 47 μF 16WV	
C650	YESCC234	Ceramic, 0.01 μF 50WV	
C651	YESCC322	Ceramic, 1pF 50WV	
C652	YESCC322	Ceramic, 1pF 50WV	
C670	YESCC333	Electrolytic, 10 μF 16WV	
C671	YESCC234	Ceramic, 0.01 μF 50WV	
C680	YESCC336	Electrolytic, 2.2 μF 50WV	
C701	YESCC326	Ceramic, 0.15 μF 50WV	
C702	YESCC321	Electrolytic, 470 μF 16WV	
C703	YESCC337	Electrolytic, 4.7 μF 50WV	
C704	YESCC340	Electrolytic, 47 μF 6.3WV	
C705	YESCC328	Ceramic, 0.01 μF 25WV	
C706	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C707	F2A1C1020069	Electrolytic, 1000 μF 16WV	
C708	YESCC313	Electrolytic, 220 μF 10WV	
C709	YESCC313	Electrolytic, 220 μF 10WV	
C710	YECUS1H103ZF	Ceramic, 0.01 μF 50WV	
C711	YECUS1H103ZF	Ceramic, 0.01 μF 50WV	
C712	YESCC332	Electrolytic, 100 μF 10WV	
C713	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C721	YESCC234	Ceramic, 0.01 μF 50WV	
C722	YESCC307	Electrolytic, 120 μF 10WV	
C730	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C731	YECUX1C334KX	Ceramic, 0.33 μF 16WV	
C732	YESCC320	Electrolytic, 56 μF 10WV	
C750	YESCC320	Electrolytic, 56 μF 10WV	
C751	YESCC200	Ceramic, 0.22 μF 25WV	
C752	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C753	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C754	YESCC320	Electrolytic, 56 μF 10WV	
C760	YESCC234	Ceramic, 0.01 μF 50WV	
C761	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C762	YESCC335	Electrolytic, 47 μF 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C764	YESCC329	Ceramic, 0.22 μF 25WV	
C765	YESCC329	Ceramic, 0.22 μF 25WV	
C766	YESCC329	Ceramic, 0.22 μF 25WV	
C772	YESCC340	Electrolytic, 47 μF 6.3WV	
C795	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
RESISTORs			
J401-406	YESRG093	Chip, 0 Ω 1/8W	
J411-414	YESRG093	Chip, 0 Ω 1/8W	
J501-504	YESRG132	Chip, 0 Ω 1/4W	
J505	YESRG132	Chip, 0 Ω 1/4W	
J506-510	YESRG132	Chip, 0 Ω 1/4W	
J513-515	YESRG132	Chip, 0 Ω 1/4W	
J517	YESRG132	Chip, 0 Ω 1/4W	
J518-526	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J527-529	YESRG132	Chip, 0 Ω 1/4W	
J531-553	YESRG132	Chip, 0 Ω 1/4W	
L290-292	YESRG093	Chip, 0 Ω 1/8W	
L295	YESRG121	Chip, 4.7 Ω 1/8W	
L296	YESRG121	Chip, 4.7 Ω 1/8W	
L298	YESRG093	Chip, 0 Ω 1/8W	
L299	YESRG093	Chip, 0 Ω 1/8W	
L393	YESRG093	Chip, 0 Ω 1/8W	
L394	YESRG093	Chip, 0 Ω 1/8W	
L395	YESRG121	Chip, 4.7 Ω 1/8W	
L396	YESRG121	Chip, 4.7 Ω 1/8W	
L398	YESRG093	Chip, 0 Ω 1/8W	
L399	YESRG093	Chip, 0 Ω 1/8W	
R50	YESRG127	Chip, 5.6 Ω 1/8W	
R54	YESRG094	Chip, 100 Ω 1/8W	
R55	YESRG107	Chip, 220 Ω 1/8W	
R59	YESRG161	Chip, 100k Ω 1/10W	
R65	YESRG117	Chip, 39k Ω 1/8W	
R201	YESRG093	Chip, 0 Ω 1/8W	
R202	YESRG095	Chip, 1k Ω 1/8W	
R203	YESRG095	Chip, 1k Ω 1/8W	
R207	YESRG093	Chip, 0 Ω 1/8W	
R211	YESRG093	Chip, 0 Ω 1/8W	
R212	YESRG093	Chip, 0 Ω 1/8W	
R213	YESRG125	Chip, 5.6k Ω 1/8W	
R214	YESRG096	Chip, 10k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R215	YESRG119	Chip, 4.7k Ω 1/8W	
R216	YESRG099	Chip, 12k Ω 1/8W	
R217	YESRG105	Chip, 18k Ω 1/8W	
R220	YESRG188	Chip, 75 Ω 1/8W	
R221	YESRG178	Chip, 120k Ω 1/8W	
R244	YESRG117	Chip, 39k Ω 1/8W	
R245	YESRG113	Chip, 27k Ω 1/8W	
R248	YESRG121	Chip, 4.7 Ω 1/8W	
R252	YESRG167	Chip, 39k Ω 1/10W	
R253	YESRG166	Chip, 27k Ω 1/10W	
R254	YESRG167	Chip, 39k Ω 1/10W	
R255	YESRG166	Chip, 27k Ω 1/10W	
R261	YESRG186	Chip, 56 Ω 1/8W	
R262	YESRG160	Chip, 10k Ω 1/10W	
R263	YESRG124	Chip, 560 Ω 1/8W	
R265	YESRG186	Chip, 56 Ω 1/8W	
R266	YESRG160	Chip, 10k Ω 1/10W	
R267	YESRG149	Chip, 560 Ω 1/4W	
R275	YESRG191	Chip, 22k Ω 1/4W	
R301	YESRG093	Chip, 0 Ω 1/8W	
R302	YESRG095	Chip, 1k Ω 1/8W	
R303	YESRG095	Chip, 1k Ω 1/8W	
R307	YESRG093	Chip, 0 Ω 1/8W	
R311	YESRG093	Chip, 0 Ω 1/8W	
R312	YESRG093	Chip, 0 Ω 1/8W	
R313	YESRG125	Chip, 5.6k Ω 1/8W	
R314	YESRG096	Chip, 10k Ω 1/8W	
R315	YESRG119	Chip, 4.7k Ω 1/8W	
R316	YESRG099	Chip, 12k Ω 1/8W	
R317	YESRG105	Chip, 18k Ω 1/8W	
R320	YESRG188	Chip, 75 Ω 1/8W	
R321	YESRG178	Chip, 120k Ω 1/8W	
R322	YESRG158	Chip, 100 Ω 1/10W	
R323	YESRG095	Chip, 1k Ω 1/8W	
R324	YESRG096	Chip, 10k Ω 1/8W	
R325	YESRG095	Chip, 1k Ω 1/8W	
R326	YESRG095	Chip, 1k Ω 1/8W	
R345	YESRG186	Chip, 56 Ω 1/8W	
R346	YESRG160	Chip, 10k Ω 1/10W	
R348	YESRG121	Chip, 4.7 Ω 1/8W	
R352	YESRG117	Chip, 39k Ω 1/8W	
R353	YESRG166	Chip, 27k Ω 1/10W	
R354	YESRG117	Chip, 39k Ω 1/8W	
R355	YESRG166	Chip, 27k Ω 1/10W	
R361	YESRG186	Chip, 56 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R362	YESRG160	Chip, 10k Ω 1/10W	
R363	YESRG124	Chip, 560 Ω 1/8W	
R365	YESRG186	Chip, 56 Ω 1/8W	
R366	YESRG160	Chip, 10k Ω 1/10W	
R367	YESRG124	Chip, 560 Ω 1/8W	
R373	YESRG105	Chip, 18k Ω 1/8W	
R375	YESRG125	Chip, 5.6k Ω 1/8W	
R376	YESRG160	Chip, 10k Ω 1/10W	
R401	YESRG162	Chip, 1.5k Ω 1/10W	
R402	YESRG169	Chip, 4.7k Ω 1/10W	
R403	YESRG170	Chip, 47k Ω 1/10W	
R404-407	YESRG159	Chip, 1k Ω 1/10W	
R408	YESRG170	Chip, 47k Ω 1/10W	
R409	YESRG159	Chip, 1k Ω 1/10W	
R410	YESRG157	Chip, 0 Ω 1/10W	
R411	YESRG164	Chip, 220 Ω 1/10W	
R413	YESRG104	Chip, 1.8k Ω 1/8W	
R414	YESRG149	Chip, 560 Ω 1/4W	
R417	YESRG154	Chip, 10 Ω 1/8W	
R601	YESRG184	Chip, 4.3k Ω 1/8W	
R602	YESRG168	Chip, 4.3k Ω 1/10W	
R603	YESRG093	Chip, 0 Ω 1/8W	
R604	YESRG157	Chip, 0 Ω 1/10W	
R605	YESRG095	Chip, 1k Ω 1/8W	
R607	YESRG115	Chip, 33k Ω 1/8W	
R608	YESRG131	Chip, 8.2k Ω 1/8W	
R610	YESRG120	Chip, 47k Ω 1/8W	
R612	YESRG120	Chip, 47k Ω 1/8W	
R613	YESRG160	Chip, 10k Ω 1/10W	
R614	YESRG160	Chip, 10k Ω 1/10W	
R615	YESRG096	Chip, 10k Ω 1/8W	
R619	YESRG163	Chip, 180k Ω 1/10W	
R620	YESRG096	Chip, 10k Ω 1/8W	
R621	YESRG162	Chip, 1.5k Ω 1/10W	
R622	YESRG120	Chip, 47k Ω 1/8W	
R623	YESRG097	Chip, 100k Ω 1/8W	
R624	YESRG161	Chip, 100k Ω 1/10W	
R625	YESRG170	Chip, 47k Ω 1/10W	
R626	YESRG095	Chip, 1k Ω 1/8W	
R627	YESRG160	Chip, 10k Ω 1/10W	
R628	YESRG160	Chip, 10k Ω 1/10W	
R629	YESRG136	Chip, 100k Ω 1/4W	
R630	YESRG095	Chip, 1k Ω 1/8W	
R631	YESRG130	Chip, 820 Ω 1/8W	
R633	YESRG095	Chip, 1k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R634	YESRG124	Chip, 560 Ω 1/8W	
R635	YESRG093	Chip, 0 Ω 1/8W	
R636	YESRG134	Chip, 1k Ω 1/4W	
R637	YESRG095	Chip, 1k Ω 1/8W	
R638	YESRG159	Chip, 1k Ω 1/10W	
R639	YESRG159	Chip, 1k Ω 1/10W	
R640	YESRG124	Chip, 560 Ω 1/8W	
R643	YESRG163	Chip, 180k Ω 1/10W	
R644	YESRG093	Chip, 0 Ω 1/8W	
R645	YESRG157	Chip, 0 Ω 1/10W	
R646	YESRG097	Chip, 100k Ω 1/8W	
R653	YESRG171	Chip, 5.1k Ω 1/10W	
R654	YESRG123	Chip, 5.1k Ω 1/8W	
R655	YESRG096	Chip, 10k Ω 1/8W	
R656	YESRG112	Chip, 2.7k Ω 1/8W	
R657	YESRG112	Chip, 2.7k Ω 1/8W	
R659	YESRG112	Chip, 2.7k Ω 1/8W	
R660	YESRG112	Chip, 2.7k Ω 1/8W	
R662	YESRG147	Chip, 4.7k Ω 1/4W	
R663	YESRG123	Chip, 5.1k Ω 1/8W	
R664	YESRG123	Chip, 5.1k Ω 1/8W	
R667	YESRG096	Chip, 10k Ω 1/8W	
R670	YESRG097	Chip, 100k Ω 1/8W	
R671	YESRG097	Chip, 100k Ω 1/8W	
R672	YESRG097	Chip, 100k Ω 1/8W	
R673	YESRG097	Chip, 100k Ω 1/8W	
R680	YESRG111	Chip, 270 Ω 1/8W	
R681	YESRG125	Chip, 5.6k Ω 1/8W	
R682	YESRG170	Chip, 47k Ω 1/10W	
R685-688	YESRG159	Chip, 1k Ω 1/10W	
R701	YESRG096	Chip, 10k Ω 1/8W	
R702	YESRG181	Chip, 270k Ω 1/8W	
R703	YESRG185	Chip, 43k Ω 1/8W	
R704	YESRG192	Chip, 4.7 Ω 1/4W	
R705	YESRG133	Chip, 10 Ω 1/4W	
R706	YESRG160	Chip, 10k Ω 1/10W	
R708	YESRG170	Chip, 47k Ω 1/10W	
R709	YESRG156	Carbon, 820 Ω 1/2W	
R710	YESRG156	Carbon, 820 Ω 1/2W	
R711	YESRG140	Chip, 1 Ω 1/4W	
R712	YESRG140	Chip, 1 Ω 1/4W	
R713	YESRG130	Chip, 820 Ω 1/8W	
R714	YESRG130	Chip, 820 Ω 1/8W	
R715	YESRG119	Chip, 4.7k Ω 1/8W	
R716	YESRG110	Chip, 220k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R717	YESRG185	Chip, 43k Ω 1/8W	
R718	YESRG133	Chip, 10 Ω 1/4W	
R719	YESRG088	Carbon, 3.3k Ω 1/2W	
R720	YESRG189	Chip, 100 Ω 1/4W	
R721	YESRG189	Chip, 100 Ω 1/4W	
R730	YESRG175	Chip, 68k Ω 1/8W	
R731	YESRG174	Chip, 220k Ω 1/8W	
R732	YESRG058	Chip, 18k Ω 1/8W	
R733	YESRG172	Chip, 130k Ω 1/8W	
R734	YESRG173	Chip, 2.2k Ω 1/8W	
R750	YESRG090	Chip, 10k Ω 1/8W	
R751	YESRG176	Chip, 8.2k Ω 1/8W	
R752	YESRG173	Chip, 2.2k Ω 1/8W	
R760	YESRG179	Chip, 1.6k Ω 1/8W	
R761	YESRG155	Carbon, 3.9 Ω 1/2W	
R772	YESRG190	Chip, 220 Ω 1/4W	
R773	YESRG190	Chip, 220 Ω 1/4W	
R790	YESRG109	Chip, 22k Ω 1/8W	
R791	YESRG109	Chip, 22k Ω 1/8W	
R795	YESRG095	Chip, 1k Ω 1/8W	
CONNECTORs			
CN201	YESAJ07020	RCA Wire (PRE OUT R)	
CN251	YESAJ07008	RCA Wire (CD.C-IN)	
CN253	YESAJ07009	RCA Wire (S.W-OUT)	
CN301	YESAJ07019	RCA Wire (PRE OUT F)	
CN351	YESAJ07010	RCA Wire (AUX-IN)	
CN601	K1MN16B00130	Connector, 16P	
CN651	YESAE344	Connector, 18P	
CN670	YESAJ07018	Wire Connector, 7P	
CN680	YESAE343	DIN Jack	
CN701	YESAE351	Connector, 16P	
CN760	YEAE5339802	Connector, 2P	
SWITCHes			
SW601	K0L1BA000022	Switch	
SW602	K0L1BA000023	Switch	
COILs			
L50	G1C150K00011	Coil	
L52	G1CR56K00009	Coil	
L401	YESLQ019	Coil	
L601	YESLQ029	Coil	
L602	YESLQ019	Coil	
L603	YESLQ029	Coil	
L630	ELEAR330KA	Coil	
L701	YELTBLNA62B1	Coil	

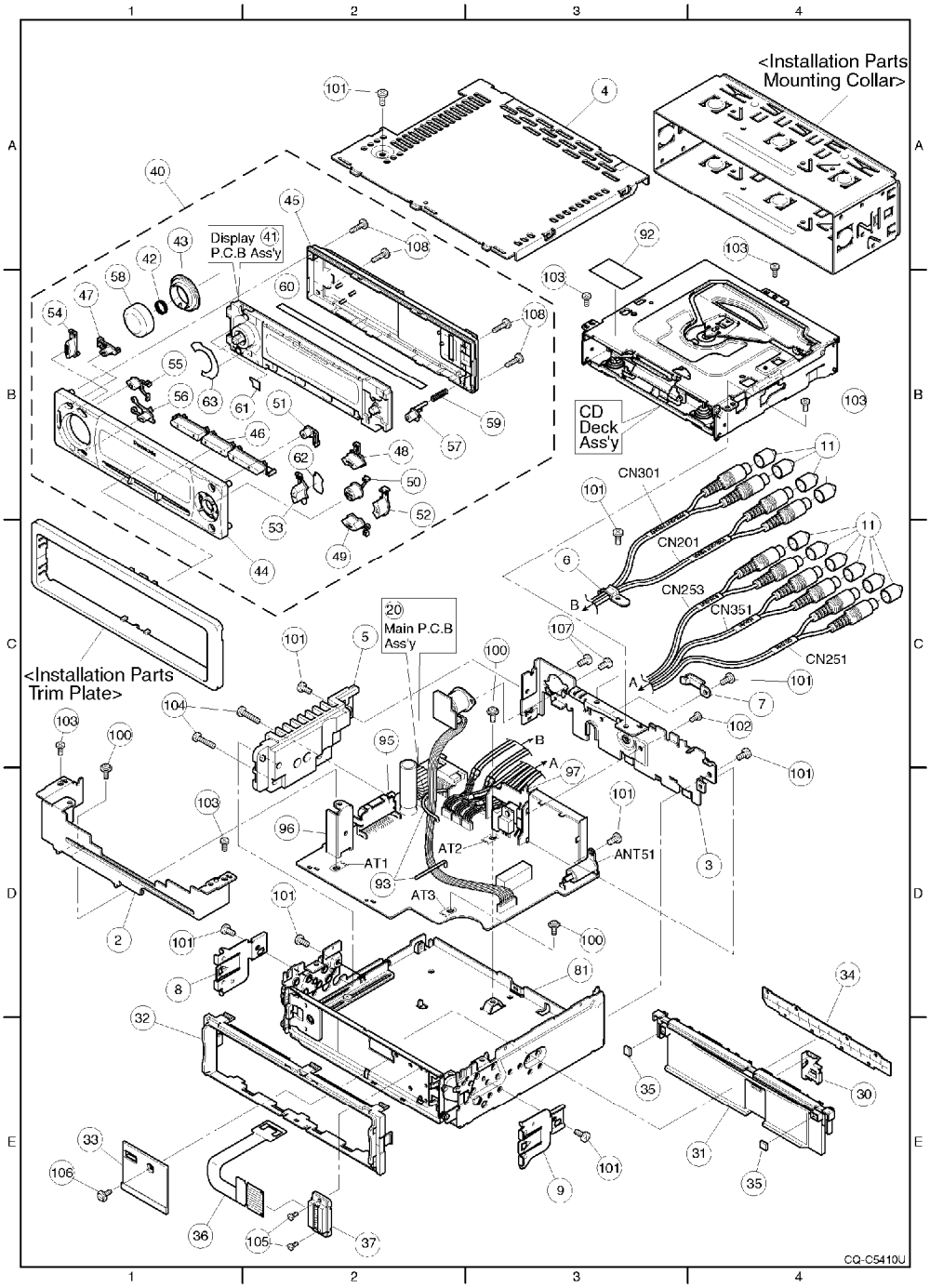
Ref. No.	Part No.	Part Name & Description	Remarks
L702	G0A161J00001	Coil	
FILTER			
CF51	YESLA003	Filter	
CRYSTALs			
XL401	YESXL021	Crystal	
XL601	H0J419400009	Crystal	
POSISTOR			
PT701	YERT7AR4R7MT	Posistor	
SERGE PROTECTOR			
Z50	YESRTD008	Serge Protector	
[7205-05-02] Display Block			
IC's and TRANSISTORs			
IC901	YESAM168	IC	
IC902	B3MBZ0000006	IC	
Q921	YESAN061	Transistor	
Q922	YESAN061	Transistor	
DIODEs			
D901-904	YESAD115	Zener Diode	
D915-923	YESAD115	Zener Diode	
D940	YESAD126	LED	
CAPACITORs			
C923	YESCC228	Ceramic, 0.1 μ F 16WV	
C910	YESCC323	Ceramic, 1000pF 50WV	
C911	YESCC210	Ceramic, 1 μ F 16WV	
C912	YESCC210	Ceramic, 1 μ F 16WV	
C914	YESCC228	Ceramic, 0.1 μ F 16WV	
C915	YESCC228	Ceramic, 0.1 μ F 16WV	
C921	YESCC217	Electrolytic, 47 μ F 16WV	
C922	F1J1H562A675	Ceramic, 0.0056 μ F 50WV	
C924	YESCC331	Film, 0.022 μ F 100WV	
C925	YESCC211	Ceramic, 12pF 3.15WkV	
C926	YESCC228	Ceramic, 0.1 μ F 16WV	
C927	YESCC228	Ceramic, 0.1 μ F 16WV	
C928	YESCC271	Ceramic, 68pF 50WV	
C929	YESCC228	Ceramic, 0.1 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C930	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C931	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C932	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C933	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C934	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
RESISTORs			
R906	YESRG094	Chip, 100 Ω 1/8W	
R907	YESRG095	Chip, 1k Ω 1/8W	
R908-911	YESRG159	Chip, 1k Ω 1/10W	
R921	YESRG128	Chip, 680 Ω 1/8W	
R922	YESRG119	Chip, 4.7k Ω 1/8W	
R923	YESRG119	Chip, 4.7k Ω 1/8W	
R938	YESRG121	Chip, 4.7 Ω 1/8W	
R940	YESRG122	Chip, 510 Ω 1/8W	
R941	YESRG096	Chip, 10k Ω 1/8W	
R942	YESRG185	Chip, 43k Ω 1/8W	
R961	YESRG115	Chip, 33k Ω 1/8W	
R962	YESRG115	Chip, 33k Ω 1/8W	
R963	YESRG115	Chip, 33k Ω 1/8W	
R964	YESRG115	Chip, 33k Ω 1/8W	
R965	YESRG115	Chip, 33k Ω 1/8W	
CONNECTOR			
CN901	YESAE364	Connector, 16P	
COILs			
L921	YESLT027	Coil	
L922	YESLT028	Coil	
SWITCHes			
SW901	YESAS121	Switch	
SW902-917	K0H1BA000445	Switch	
LCD			
LCD901	YESXDCM012	LCD	
CFL			
CFL901	A2CA00000044	CFL	
Accessories			

Ref. No.	Part No.	Part Name & Description	Remarks
PRINTING			
	YEFM284142	Operating Instructions	
INSTALLATION PARTS			
	YESAJ01224	Power Connector	
	YESFZ259	Remote Control Unit	
	CR2025/1F	Lithium Battery	⚠
	YESFZ257	Screws Kit	
	YEFA131839	Removable Face Plate Case	
	YESFX021127	Rear Support Strap	
	YESFX018006	Mounting Collar	
	YEFC05605	Trim Plate	
MECHANICAL PARTS			
MISCELLANEOUS			
ANT51	YM104C7008A	Antenna Receptacle	
AT1-3	YESAT01028	Earth Terminal	
2	YESFA07011	Front Plate	
3	YESFA08027	Rear Plate	
4	YESFA03056	Top Cover	
5	YESFF01083	Heat Sink	
6	YESFX007025	Cord Clamper	
7	YESFX007026	Cord Clamper	
8	YESFX005133	Plate Spring L	
9	YESFX005134	Plate Spring R	
11	YESFR04010	RCA Cap	
20	YESAP322	Main PCB Ass'y	RTL
30	YESFX001028	Transparent Plate, CD	
31	YESFC02121	Rear Cover, Escutcheon	
32	YESFC02130	Fornt Cover, Escutcheon	
33	YESFA13015	Flexible PCB Case	
34	YESFS01086	Dust Felt	
35	YESFS01087	Pad	
36	YEAP2879	Flexible PCB	
37	K1NZ16H00001	Connector, 16P	
40	YESSDF0139	Removable Face Plate Unit	RTL
41	YESAP326	Display PCB Ass'y	RTL
42	YESFX005131	Knob Spring	
43	YESFX001029	Transparent Plate, VOL	
44	YESFC02126	Escutheon Ass'y, Detachable	
45	YESFA13014	Back Cover, Detachable	
46	YESFE13188	Preset Button	
47	YESFE13170	Button (MUTE)	
48	YESFE13171	Button (MENU)	
49	YESFE13172	Button (DISP)	
50	YESFE13173	Button (BAND)	
51	YESFE13174	Button (CD EJECT)	
52	YESFE13175	Button (TUNE UP)	
53	YESFE13176	Button (TUNE DOWN)	
54	YESFE13177	Button (SOURCE)	
55	YESFE13178	Button (SQ)	

Ref. No.	Part No.	Part Name & Description	Remarks
56	YESFE13179	Button (D/M)	
57	YESFE13180	Button (RELEASE)	
58	YESFE07010	Knob, VOL	
59	YESFX005153	Spring, Release	
60	YESFV02006	Shading Sheet (R COV)	
61	YESFV02007	Shading Sheet (SQ)	
62	YESFV02008	Shading Sheet (T DWN)	
63	YESFV02009	Shading Sheet (VOL)	
81	YESFX999062	Drive Mechanism Ass'y	
92	YESFM01080	Laser Seal (English)	
93	YESFX007023	Style Pin	
95	YESFG02029	Power IC Bracket	
96	YESFX021134	Bracket, Regulator A	
97	YESFX021135	Bracket, Regulator B	
100	YESJS01183	Cup Screw S 2.6*6	
101	YESJT03067	Tapping Bind Screw S Tite M3*6	
102	YESJS01179	Bind Screw 2.6*8	
103	YESJT03066	Tapping Bind Screw S Tite M2.6*5	
104	YESJS01180	Bind Screw 3*14	
105	YESJS01181	Camera Screw 2*4	
106	YESJS01184	Cup Screw SP 2*4	
107	YESJS01166	Bind Screw 3.0*6.0	
108	YESJS01182	Camera Screw 2*8	

14. EXPLODED VIEW (Unit) [CQ-C5410U]



15. REPLACEMENT PARTS LIST [CQ-C5310U]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7205-02-11] Main Block			
IC's and TRANSISTORS			
IC201	C1BB00000796	IC	
IC271	C1EA00000021	IC	
IC401	YESAM194	IC	
IC601	YESAM236	IC	
IC650	YESAM228	IC	
IC670	YESAM183	IC	
IC702	AN8065SE1	IC	
IC730	BA00AST	IC	
IC750	BA00AST	IC	
IC752	YESAM227	IC	
IC760	C0GBG0000032	IC	
IC761	YESAM235	IC	
PA51	C5BA00000109	Tuner Pack	
Q55	YEANFP1F3PT1	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q263	B1GDCFJJ0002	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q267	B1GDCFJJ0002	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q347	B1GDCFJJ0002	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q363	B1GDCFJJ0002	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q367	B1GDCFJJ0002	Transistor	
Q372	YEANC114YKX	Transistor	
Q376	B1GBCFNN0004	Transistor	
Q411	YEAN2SK536TB	FET	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q650	YEANC114YKX	Transistor	
Q667	YESAN062	Transistor	
Q680	B1GDCFLL0010	Transistor	
Q701	YESAN060	Transistor	
Q702	YESAN060	Transistor	
Q703	B1BCCF000017	Transistor	
Q704	B1GDJCEJ0001	Transistor	
Q705	YEANC4480AN	Transistor	
Q706	2SD2139TA	Transistor	
Q730	B1GBCFNN0004	Transistor	
Q731	B1GBCFNN0004	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q790	YEANHQ1F3PT1	Transistor	
Q791	YEANHQ1F3PT1	Transistor	
Q792	YEANC114YKX	Transistor	
Q793	YEANC114YKX	Transistor	
DIODEs			
D201	YEADSR1544TL	Diode	
D202	YEADSR1544TL	Diode	
D203	YEADSR1544TL	Diode	
D204	YEADSR1544TL	Diode	
D301	YEADSR1544TL	Diode	
D302	YEADSR1544TL	Diode	
D303	YEADSR1544TL	Diode	
D304	YEADSR1544TL	Diode	
D630	B3AAB0000143	LED	
D631-636	YESAD115	Zener Diode	
D637	MA152WATX	Diode	
D670	MA721TX	Diode	
D671	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Zener Diode	
D702	MA721TX	Diode	
D703	YEADRD56M3T1	Zener Diode	
D704	MA721TX	Diode	
D705	B0BC9R600001	Zener Diode	
D706	YESAD130	Zener Diode	
D707	YEADRB051L40	Diode	
D708	MA3X152K0L	Diode	
D709	MA721TX	Diode	
D710	MA721TX	Diode	
D720	MA4091MTA	Zener Diode	
D721	MA721TX	Diode	
D760	YEADRD51M2T1	Zener Diode	
D761	YESAD129	Zener Diode	
D772	MA4051MTA	Zener Diode	
CAPACITORs			
C52	YECUS1H470JC	Ceramic, 47pF 50WV	
C54	YESCC313	Electrolytic, 220 μ F 10WV	
C55	YESCC234	Ceramic, 0.01 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C56	YESCC342	Electrolytic, 1 μF 25WV	
C61	YECUS1E273KX	Ceramic, 0.027 μF 25WV	
C62	YECUS1E273KX	Ceramic, 0.027 μF 25WV	
C65	YESCC233	Ceramic, 0.001 μF 50WV	
C202	YESRG183	Chip, 36k Ω 1/8W	
C206	YESCC336	Electrolytic, 2.2 μF 50WV	
C213	YESCC191	Ceramic, 2.2 μF	
C215	YESCC191	Ceramic, 2.2 μF	
C217	YESCC230	Ceramic, 0.33 μF 16WV	
C220	YESCC336	Electrolytic, 2.2 μF 50WV	
C261	YESCC337	Electrolytic, 4.7 μF 50WV	
C263	YESCC338	Electrolytic, 0.047 μF 50WV	
C265	YESCC337	Electrolytic, 4.7 μF 50WV	
C267	YESCC338	Electrolytic, 0.047 μF 50WV	
C271	YESCC235	Ceramic, 0.0047 μF 50WV	
C272	YESCC235	Ceramic, 0.0047 μF 50WV	
C274	YESCC335	Electrolytic, 47 μF 16WV	
C275	YESCC210	Ceramic, 1 μF 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C279	YESCC341	Electrolytic, 4700 μF 16WV	
C302	YESRG183	Chip, 36k Ω 1/8W	
C306	YESCC336	Electrolytic, 2.2 μF 50WV	
C313	YESCC191	Ceramic, 2.2 μF	
C315	YESCC191	Ceramic, 2.2 μF	
C317	YESCC230	Ceramic, 0.33 μF 16WV	
C318	YESCC191	Ceramic, 2.2 μF	
C320	YESCC336	Electrolytic, 2.2 μF 50WV	
C321	YESCC191	Ceramic, 2.2 μF	
C323	YESCC333	Electrolytic, 10 μF 16WV	
C324	YESCC191	Ceramic, 2.2 μF	
C325	YESCC336	Electrolytic, 2.2 μF 50WV	
C326	YESCC191	Ceramic, 2.2 μF	
C327	YESCC313	Electrolytic, 220 μF 10WV	
C328	YESCC234	Ceramic, 0.01 μF 50WV	
C345	YESCC337	Electrolytic, 4.7 μF 50WV	
C361	YESCC337	Electrolytic, 4.7 μF 50WV	
C363	YESCC338	Electrolytic, 0.047 μF 50WV	
C365	YESCC337	Electrolytic, 4.7 μF 50WV	
C367	YESCC338	Electrolytic, 0.047 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C371	YESCC235	Ceramic, 0.0047 μF 50WV	
C372	YESCC235	Ceramic, 0.0047 μF 50WV	
C374	YESCC336	Electrolytic, 2.2 μF 50WV	
C375	YESCC333	Electrolytic, 10 μF 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C401	YECUS1H150JC	Ceramic, 15pF 50WV	
C402	YECUS1H150JC	Ceramic, 15pF 50WV	
C403	YESCC339	Electrolytic, 100 μF 6.3WV	
C404	YESCC234	Ceramic, 0.01 μF 50WV	
C405	F1H1H101A231	Ceramic, 100pF 50WV	
C411	YESCC234	Ceramic, 0.01 μF 50WV	
C412	YESCC231	Ceramic, 0.022 μF 25WV	
C413	ECQV1H224JL2	Plastic Film, 0.22 μF 50WV	
C414	YESCC313	Electrolytic, 220 μF 10WV	
C601	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C602	YESCC234	Ceramic, 0.01 μF 50WV	
C603	YESCC315	Electrolytic, 330 μF 6.3WV	
C604	EECS0HD473H	Electrolytic, 0.047 μF 5.5WV	
C605	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C606	YESCC324	Ceramic, 18pF 50WV	
C607	YESCC324	Ceramic, 18pF 50WV	
C608	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C609	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C610	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C630	YESCC315	Electrolytic, 330 μF 6.3WV	
C632	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C633	YESCC335	Electrolytic, 47 μF 16WV	
C650	YESCC234	Ceramic, 0.01 μF 50WV	
C651	YESCC322	Ceramic, 1pF 50WV	
C652	YESCC322	Ceramic, 1pF 50WV	
C670	YESCC333	Electrolytic, 10 μF 16WV	
C671	YESCC234	Ceramic, 0.01 μF 50WV	
C680	YESCC336	Electrolytic, 2.2 μF 50WV	
C701	YESCC326	Ceramic, 0.15 μF 50WV	
C702	YESCC321	Electrolytic, 470 μF 16WV	
C703	YESCC337	Electrolytic, 4.7 μF 50WV	
C704	YESCC340	Electrolytic, 47 μF 6.3WV	
C705	YESCC328	Ceramic, 0.01 μF 25WV	
C706	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C707	F2A1C1020069	Electrolytic, 1000 μF 16WV	
C708	YESCC313	Electrolytic, 220 μF 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C709	YESCC313	Electrolytic, 220 μF 10WV	
C710	YECUS1H103ZF	Ceramic, 0.01 μF 50WV	
C711	YECUS1H103ZF	Ceramic, 0.01 μF 50WV	
C712	YESCC332	Electrolytic, 100 μF 10WV	
C713	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C721	YESCC234	Ceramic, 0.01 μF 50WV	
C722	YESCC307	Electrolytic, 120 μF 10WV	
C730	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C731	YECUX1C334KX	Ceramic, 0.33 μF 16WV	
C732	YESCC320	Electrolytic, 56 μF 10WV	
C750	YESCC320	Electrolytic, 56 μF 10WV	
C751	YESCC200	Ceramic, 0.22 μF 25WV	
C752	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C753	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C754	YESCC320	Electrolytic, 56 μF 10WV	
C760	YESCC234	Ceramic, 0.01 μF 50WV	
C761	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C762	YESCC335	Electrolytic, 47 μF 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C764	YESCC329	Ceramic, 0.22 μF 25WV	
C765	YESCC329	Ceramic, 0.22 μF 25WV	
C766	YESCC329	Ceramic, 0.22 μF 25WV	
C772	YESCC340	Electrolytic, 47 μF 6.3WV	
C795	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
RESISTORs			
J401-406	YESRG093	Chip, 0 Ω 1/8W	
J411-414	YESRG093	Chip, 0 Ω 1/8W	
J501-504	YESRG132	Chip, 0 Ω 1/4W	
J506-510	YESRG132	Chip, 0 Ω 1/4W	
J513-515	YESRG132	Chip, 0 Ω 1/4W	
J517	YESRG132	Chip, 0 Ω 1/4W	
J518-526	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J527-529	YESRG132	Chip, 0 Ω 1/4W	
J531-553	YESRG132	Chip, 0 Ω 1/4W	
L290-292	YESRG093	Chip, 0 Ω 1/8W	
L295	YESRG102	Chip, 18 Ω 1/8W	
L296	YESRG102	Chip, 18 Ω 1/8W	
L298	YESRG093	Chip, 0 Ω 1/8W	
L299	YESRG093	Chip, 0 Ω 1/8W	
L393	YESRG093	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
L394	YESRG093	Chip, 0 Ω 1/8W	
L395	YESRG102	Chip, 18 Ω 1/8W	
L396	YESRG102	Chip, 18 Ω 1/8W	
L398	YESRG093	Chip, 0 Ω 1/8W	
L399	YESRG093	Chip, 0 Ω 1/8W	
R50	YESRG127	Chip, 5.6 Ω 1/8W	
R54	YESRG094	Chip, 100 Ω 1/8W	
R55	YESRG107	Chip, 220 Ω 1/8W	
R59	YESRG161	Chip, 100k Ω 1/10W	
R65	YESRG117	Chip, 39k Ω 1/8W	
R201	YESRG093	Chip, 0 Ω 1/8W	
R202	YESRG095	Chip, 1k Ω 1/8W	
R203	YESRG095	Chip, 1k Ω 1/8W	
R207	YESRG093	Chip, 0 Ω 1/8W	
R211	YESRG093	Chip, 0 Ω 1/8W	
R212	YESRG093	Chip, 0 Ω 1/8W	
R213	YESRG125	Chip, 5.6k Ω 1/8W	
R214	YESRG096	Chip, 10k Ω 1/8W	
R215	YESRG119	Chip, 4.7k Ω 1/8W	
R216	YESRG099	Chip, 12k Ω 1/8W	
R217	YESRG105	Chip, 18k Ω 1/8W	
R220	YESRG188	Chip, 75 Ω 1/8W	
R221	YESRG178	Chip, 120k Ω 1/8W	
R247	YESRG132	Chip, 0 Ω 1/4W	
R248	YESRG121	Chip, 4.7 Ω 1/8W	
R251	YESRG093	Chip, 0 Ω 1/8W	
R257	YESRG093	Chip, 0 Ω 1/8W	
R261	YESRG186	Chip, 56 Ω 1/8W	
R262	YESRG160	Chip, 10k Ω 1/10W	
R263	YESRG124	Chip, 560 Ω 1/8W	
R265	YESRG186	Chip, 56 Ω 1/8W	
R266	YESRG160	Chip, 10k Ω 1/10W	
R267	YESRG149	Chip, 560 Ω 1/4W	
R275	YESRG191	Chip, 22k Ω 1/4W	
R301	YESRG093	Chip, 0 Ω 1/8W	
R302	YESRG095	Chip, 1k Ω 1/8W	
R303	YESRG095	Chip, 1k Ω 1/8W	
R307	YESRG093	Chip, 0 Ω 1/8W	
R311	YESRG093	Chip, 0 Ω 1/8W	
R312	YESRG093	Chip, 0 Ω 1/8W	
R313	YESRG125	Chip, 5.6k Ω 1/8W	
R314	YESRG096	Chip, 10k Ω 1/8W	
R315	YESRG119	Chip, 4.7k Ω 1/8W	
R316	YESRG099	Chip, 12k Ω 1/8W	
R317	YESRG105	Chip, 18k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R320	YESRG188	Chip, 75 Ω 1/8W	
R321	YESRG178	Chip, 120k Ω 1/8W	
R322	YESRG158	Chip, 100 Ω 1/10W	
R323	YESRG095	Chip, 1k Ω 1/8W	
R324	YESRG096	Chip, 10k Ω 1/8W	
R325	YESRG095	Chip, 1k Ω 1/8W	
R326	YESRG095	Chip, 1k Ω 1/8W	
R345	YESRG186	Chip, 56 Ω 1/8W	
R346	YESRG160	Chip, 10k Ω 1/10W	
R348	YESRG121	Chip, 4.7 Ω 1/8W	
R351	YESRG132	Chip, 0 Ω 1/4W	
R357	YESRG093	Chip, 0 Ω 1/8W	
R361	YESRG186	Chip, 56 Ω 1/8W	
R362	YESRG160	Chip, 10k Ω 1/10W	
R363	YESRG124	Chip, 560 Ω 1/8W	
R365	YESRG186	Chip, 56 Ω 1/8W	
R366	YESRG160	Chip, 10k Ω 1/10W	
R367	YESRG124	Chip, 560 Ω 1/8W	
R373	YESRG105	Chip, 18k Ω 1/8W	
R375	YESRG125	Chip, 5.6k Ω 1/8W	
R376	YESRG160	Chip, 10k Ω 1/10W	
R401	YESRG162	Chip, 1.5k Ω 1/10W	
R402	YESRG169	Chip, 4.7k Ω 1/10W	
R403	YESRG170	Chip, 47k Ω 1/10W	
R404-407	YESRG159	Chip, 1k Ω 1/10W	
R408	YESRG170	Chip, 47k Ω 1/10W	
R409	YESRG159	Chip, 1k Ω 1/10W	
R410	YESRG157	Chip, 0 Ω 1/10W	
R411	YESRG164	Chip, 220 Ω 1/10W	
R413	YESRG104	Chip, 1.8k Ω 1/8W	
R414	YESRG149	Chip, 560 Ω 1/4W	
R417	YESRG154	Chip, 10 Ω 1/8W	
R601	YESRG184	Chip, 4.3k Ω 1/8W	
R602	YESRG168	Chip, 4.3k Ω 1/10W	
R603	YESRG093	Chip, 0 Ω 1/8W	
R604	YESRG157	Chip, 0 Ω 1/10W	
R605	YESRG095	Chip, 1k Ω 1/8W	
R607	YESRG115	Chip, 33k Ω 1/8W	
R608	YESRG131	Chip, 8.2k Ω 1/8W	
R610	YESRG120	Chip, 47k Ω 1/8W	
R612	YESRG120	Chip, 47k Ω 1/8W	
R613	YESRG160	Chip, 10k Ω 1/10W	
R614	YESRG160	Chip, 10k Ω 1/10W	
R615	YESRG096	Chip, 10k Ω 1/8W	
R619	YESRG163	Chip, 180k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R620	YESRG096	Chip, 10k Ω 1/8W	
R621	YESRG162	Chip, 1.5k Ω 1/10W	
R622	YESRG120	Chip, 47k Ω 1/8W	
R623	YESRG097	Chip, 100k Ω 1/8W	
R624	YESRG161	Chip, 100k Ω 1/10W	
R625	YESRG170	Chip, 47k Ω 1/10W	
R626	YESRG095	Chip, 1k Ω 1/8W	
R627	YESRG160	Chip, 10k Ω 1/10W	
R628	YESRG160	Chip, 10k Ω 1/10W	
R629	YESRG136	Chip, 100k Ω 1/4W	
R630	YESRG095	Chip, 1k Ω 1/8W	
R631	YESRG130	Chip, 820 Ω 1/8W	
R633	YESRG095	Chip, 1k Ω 1/8W	
R634	YESRG124	Chip, 560 Ω 1/8W	
R635	YESRG093	Chip, 0 Ω 1/8W	
R636	YESRG134	Chip, 1k Ω 1/4W	
R637	YESRG095	Chip, 1k Ω 1/8W	
R638	YESRG159	Chip, 1k Ω 1/10W	
R639	YESRG159	Chip, 1k Ω 1/10W	
R640	YESRG124	Chip, 560 Ω 1/8W	
R643	YESRG163	Chip, 180k Ω 1/10W	
R644	YESRG093	Chip, 0 Ω 1/8W	
R645	YESRG157	Chip, 0 Ω 1/10W	
R646	YESRG097	Chip, 100k Ω 1/8W	
R653	YESRG171	Chip, 5.1k Ω 1/10W	
R654	YESRG123	Chip, 5.1k Ω 1/8W	
R655	YESRG096	Chip, 10k Ω 1/8W	
R656	YESRG112	Chip, 2.7k Ω 1/8W	
R657	YESRG112	Chip, 2.7k Ω 1/8W	
R659	YESRG112	Chip, 2.7k Ω 1/8W	
R660	YESRG112	Chip, 2.7k Ω 1/8W	
R662	YESRG147	Chip, 4.7k Ω 1/4W	
R663	YESRG123	Chip, 5.1k Ω 1/8W	
R664	YESRG123	Chip, 5.1k Ω 1/8W	
R667	YESRG096	Chip, 10k Ω 1/8W	
R670	YESRG097	Chip, 100k Ω 1/8W	
R671	YESRG097	Chip, 100k Ω 1/8W	
R672	YESRG097	Chip, 100k Ω 1/8W	
R673	YESRG097	Chip, 100k Ω 1/8W	
R680	YESRG111	Chip, 270 Ω 1/8W	
R681	YESRG125	Chip, 5.6k Ω 1/8W	
R682	YESRG170	Chip, 47k Ω 1/10W	
R685-688	YESRG159	Chip, 1k Ω 1/10W	
R701	YESRG096	Chip, 10k Ω 1/8W	
R702	YESRG181	Chip, 270k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R703	YESRG185	Chip, 43k Ω 1/8W	
R704	YESRG192	Chip, 4.7 Ω 1/4W	
R705	YESRG133	Chip, 10 Ω 1/4W	
R706	YESRG160	Chip, 10k Ω 1/10W	
R708	YESRG170	Chip, 47k Ω 1/10W	
R709	YESRG156	Carbon, 820 Ω 1/2W	
R710	YESRG156	Carbon, 820 Ω 1/2W	
R711	YESRG140	Chip, 1 Ω 1/4W	
R712	YESRG140	Chip, 1 Ω 1/4W	
R713	YESRG130	Chip, 820 Ω 1/8W	
R714	YESRG130	Chip, 820 Ω 1/8W	
R715	YESRG119	Chip, 4.7k Ω 1/8W	
R716	YESRG110	Chip, 220k Ω 1/8W	
R717	YESRG185	Chip, 43k Ω 1/8W	
R718	YESRG133	Chip, 10 Ω 1/4W	
R719	YESRG088	Carbon, 3.3k Ω 1/2W	
R720	YESRG189	Chip, 100 Ω 1/4W	
R721	YESRG189	Chip, 100 Ω 1/4W	
R730	YESRG175	Chip, 68k Ω 1/8W	
R731	YESRG174	Chip, 220k Ω 1/8W	
R732	YESRG058	Chip, 18k Ω 1/8W	
R733	YESRG172	Chip, 130k Ω 1/8W	
R734	YESRG173	Chip, 2.2k Ω 1/8W	
R750	YESRG090	Chip, 10k Ω 1/8W	
R751	YESRG176	Chip, 8.2k Ω 1/8W	
R752	YESRG173	Chip, 2.2k Ω 1/8W	
R760	YESRG179	Chip, 1.6k Ω 1/8W	
R761	YESRG155	Carbon, 3.9 Ω 1/2W	
R770	YESRG093	Chip, 0 Ω 1/8W	
R772	YESRG190	Chip, 220 Ω 1/4W	
R773	YESRG190	Chip, 220 Ω 1/4W	
R790	YESRG109	Chip, 22k Ω 1/8W	
R791	YESRG109	Chip, 22k Ω 1/8W	
R795	YESRG095	Chip, 1k Ω 1/8W	
CONNECTORs			
CN251	YESAJ07008	RCA Wire (CD.C-IN)	
CN253	YESAJ07009	RCA Wire (S.W-OUT)	
CN302	K2HA104B0010	Jack, RCA	
CN351	YESAJ07010	RCA Wire (AUX-IN)	
CN601	K1MN16B00130	Connector, 16P	
CN651	YESAE344	Connector 18P	
CN670	YESAJ07018	Wire Connector 7P	
CN680	YESAE343	DIN Jack	
CN701	YESAE351	Connector 16P	
CN760	YEAE5339802	Connector, 2P	

Ref. No.	Part No.	Part Name & Description	Remarks
SWITCHes			
SW601	K0L1BA000022	Switch	
SW602	K0L1BA000023	Switch	
COILs			
L50	G1C150K00011	Coil	
L52	G1CR56K00009	Coil	
L401	YESLQ019	Coil	
L601	YESLQ029	Coil	
L602	YESLQ019	Coil	
L603	YESLQ029	Coil	
L630	ELEAR330KA	Coil	
L701	YELTBLNA62B1	Coil	
L702	G0A161J00001	Coil	
FILTER			
CF51	YESLA003	Filter	
CRYSTALs			
XL401	YESXL021	Crystal	
XL601	H0J419400009	Crystal	
POSISTOR			
PT701	YERT7AR4R7MT	Posistor	
SERGE PROTECTOR			
Z50	YESRTD008	Serge Protector	
[7205-05-02] Display Block			
IC's and TRANSISTORs			
IC901	YESAM168	IC	
IC902	B3MBZ0000006	IC	
Q921	YESAN061	Transistor	
Q922	YESAN061	Transistor	
DIODEs			
D901-904	YESAD115	Zener Diode	
D915-923	YESAD115	Zener Diode	
D940	YESAD126	LED	
CAPACITORs			
C923	YESCC228	Ceramic, 0.1 μ F 16WV	
C910	YESCC323	Ceramic, 1000pF 50WV	

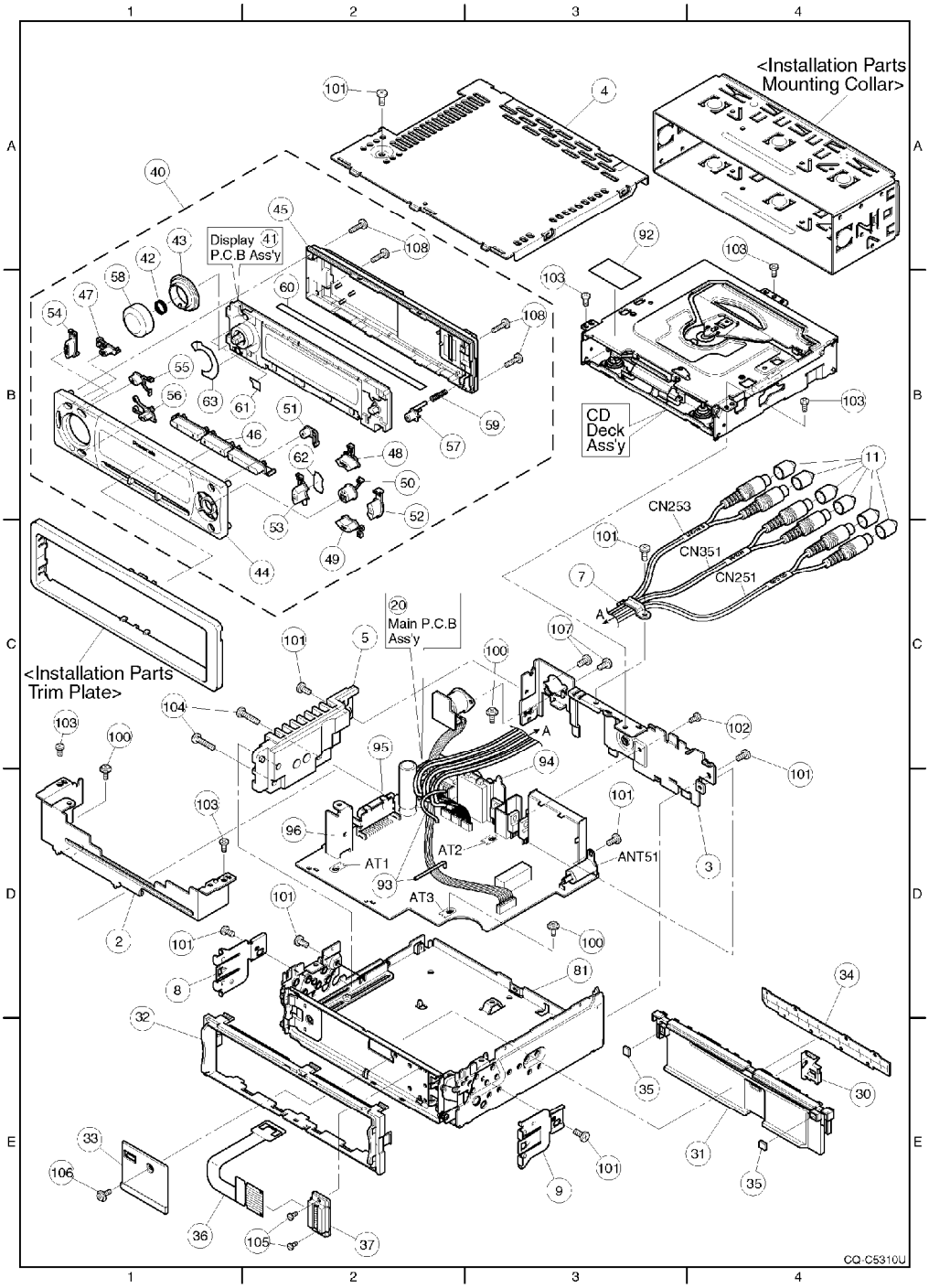
C510	[illegible]	Ceramic, 1000pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C911	YESCC210	Ceramic, 1 μF 16WV	
C912	YESCC210	Ceramic, 1 μF 16WV	
C914	YESCC228	Ceramic, 0.1 μF 16WV	
C915	YESCC228	Ceramic, 0.1 μF 16WV	
C921	YESCC217	Electrolytic, 47 μF 16WV	
C922	F1J1H562A675	Ceramic, 0.0056 μF 50WV	
C924	YESCC331	Film, 0.022 μF 100WV	
C925	YESCC211	Ceramic, 12pF 3.15WkV	
C926	YESCC228	Ceramic, 0.1 μF 16WV	
C927	YESCC228	Ceramic, 0.1 μF 16WV	
C928	YESCC271	Ceramic, 68pF 50WV	
C929	YESCC228	Ceramic, 0.1 μF 16WV	
C930	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C931	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C932	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C933	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C934	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
RESISTORs			
R906	YESRG094	Chip, 100 Ω 1/8W	
R907	YESRG095	Chip, 1k Ω 1/8W	
R908-911	YESRG159	Chip, 1k Ω 1/10W	
R921	YESRG128	Chip, 680 Ω 1/8W	
R922	YESRG119	Chip, 4.7k Ω 1/8W	
R923	YESRG119	Chip, 4.7k Ω 1/8W	
R938	YESRG121	Chip, 4.7 Ω 1/8W	
R940	YESRG122	Chip, 510 Ω 1/8W	
R941	YESRG096	Chip, 10k Ω 1/8W	
R942	YESRG185	Chip, 43k Ω 1/8W	
R961	YESRG115	Chip, 33k Ω 1/8W	
R962	YESRG115	Chip, 33k Ω 1/8W	
R963	YESRG115	Chip, 33k Ω 1/8W	
R964	YESRG115	Chip, 33k Ω 1/8W	
R965	YESRG115	Chip, 33k Ω 1/8W	
CONNECTOR			
CN901	YESAE364	Connector, 16P	
COILs			
L921	YESLT027	Coil	
L922	YESLT028	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
SWITCHes			
SW901	YESAS121	Switch	
SW902-917	K0H1BA000445	Switch	
LCD			
LCD901	YESXDCM012	LCD	
CFL			
CFL901	A2CA00000044	CFL	
Accessories			
PRINTING			
	YEFM284142	Operating Instructions	
INSTALLATION PARTS			
	YESAJ01224	Power Connector	
	YESFZ259	Remote Control Unit	
	CR2025/1F	Lithium Battery	⚠
	YESFZ257	Screws Kit	
	YEFA131839	Removable Face Plate Case	
	YESFX021127	Rear Support Strap	
	YESFX018006	Mounting Collar	
	YEFC05605	Trim Plate	
MECHANICAL PARTS			
MISCELLANEOUS			
ANT51	YM104C7008A	Antenna Receptacle	
AT1-3	YESAT01028	Earth Terminal	
2	YESFA07011	Front Plate	
3	YESFA08026	Rear Plate	
4	YESFA03056	Top Cover	
5	YESFF01083	Heat Sink	
7	YESFX007026	Cord Clamper	
8	YESFX005133	Plate Spring L	
9	YESFX005134	Plate Spring R	
11	YESFR04010	RCA Cap	
20	YESAP323	Main PCB Ass'y	RTL
30	YESFX001028	Transparent Plate, CD	
31	YESFC02121	Rear Cover, Escutcheon	
32	YESFC02130	Fornt Cover, Escutcheon	
33	YESFA13015	Flexible PCB Case	
34	YESFS01086	Dust Felt	
35	YESFS01087	Pad	
36	YEAP2879	Flexible PCB	
37	K1NZ16H00001	Connector, 16P	
40	YESSDF0136	Removable Face Plate Unit	RTL

Ref. No.	Part No.	Part Name & Description	Remarks
41	YESAP326	Display PCB Ass'y	RTL
42	YESFX005131	Knob Spring	
43	YESFX001029	Transparent Plate, VOL	
44	YESFC02127	Escutheon Ass'y, Detachable	
45	YESFA13014	Back Cover, Detachable	
46	YESFE13188	Preset Button	
47	YESFE13170	Button (MUTE)	
48	YESFE13171	Button (MENU)	
49	YESFE13172	Button (DISP)	
50	YESFE13173	Button (BAND)	
51	YESFE13174	Button (CD EJECT)	
52	YESFE13175	Button (TUNE UP)	
53	YESFE13176	Button (TUNE DOWN)	
54	YESFE13177	Button (SOURCE)	
55	YESFE13178	Button (SQ)	
56	YESFE13179	Button (D/M)	
57	YESFE13180	Button (RELEASE)	
58	YESFE07010	Knob, VOL	
59	YESFX005153	Spring, Release	
60	YESFV02006	Shading Sheet (R COV)	
61	YESFV02007	Shading Sheet (SQ)	
62	YESFV02008	Shading Sheet (T DWN)	
63	YESFV02009	Shading Sheet (VOL)	
81	YESFX999062	Drive Mechanism Ass'y	
92	YESFM01080	Laser Seal (English)	
93	YESFX007023	Style Pin	
94	YESFX021136	RCA Bracket	
95	YESFG02029	Power IC Bracket	
96	YESFX021134	Bracket, Regulator A	
100	YESJS01183	Cup Screw S 2.6*6	
101	YESJT03067	Tapping Bind Screw S Tite M3*6	
102	YESJS01179	Bind Screw 2.6*8	
103	YESJT03066	Tapping Bind Screw S Tite M2.6*5	
104	YESJS01180	Bind Screw 3*14	
105	YESJS01181	Camera Screw 2*4	
106	YESJS01184	Cup Screw SP 2*4	
107	YESJS01166	Bind Screw 3.0*6.0	
108	YESJS01182	Camera Screw 2*8	

16. EXPLODED VIEW (Unit) [CQ-C5310U]



17. REPLACEMENT PARTS LIST [CQ-C5210U]

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of

these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7205-02-11] Main Block			
IC's and TRANSISTORs			
IC201	C1BB00000796	IC	
IC241	C1BB00000650	IC	
IC251	C1BB00000649	IC	
IC271	C1EA00000021	IC	
IC401	YESAM194	IC	
IC601	YESAM239	IC	
IC670	YESAM183	IC	
IC702	AN8065SE1	IC	
IC730	BA00AST	IC	
IC750	BA00AST	IC	
IC752	YESAM159	IC	
IC760	C0GBG0000032	IC	
IC761	YESAM235	IC	
PA51	C5BA00000109	Tuner Pack	
Q55	YEANFP1F3PT1	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q263	B1GDCFJJ0002	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q267	B1GDCFJJ0002	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q347	B1GDCFJJ0002	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q363	B1GDCFJJ0002	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q367	B1GDCFJJ0002	Transistor	
Q372	YEANC114YKX	Transistor	
Q376	B1GBCFNN0004	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q411	YEAN2SK536TB	FET	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	
Q667	YESAN062	Transistor	
Q680	B1GDCFLL0010	Transistor	
Q701	YESAN060	Transistor	
Q702	YESAN060	Transistor	
Q703	B1BCCF000017	Transistor	
Q704	B1GDJCEJ0001	Transistor	
Q705	YEANC4480AN	Transistor	
Q706	2SD2139TA	Transistor	
Q730	B1GBCFNN0004	Transistor	
Q731	B1GBCFNN0004	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q790	YEANHQ1F3PT1	Transistor	
Q791	YEANHQ1F3PT1	Transistor	
Q792	YEANC114YKX	Transistor	
Q793	YEANC114YKX	Transistor	
DIODEs			
D201	YEADSR1544TL	Diode	
D202	YEADSR1544TL	Diode	
D203	YEADSR1544TL	Diode	
D204	YEADSR1544TL	Diode	
D301	YEADSR1544TL	Diode	
D302	YEADSR1544TL	Diode	
D303	YEADSR1544TL	Diode	
D304	YEADSR1544TL	Diode	
D630	B3AAB0000143	LED	
D631-636	YESAD115	Zener Diode	
D637	MA152WATX	Diode	
D670	MA721TX	Diode	
D671	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Zener Diode	
D702	MA721TX	Diode	
D703	YEADRD56M3T1	Zener Diode	
D704	MA721TX	Diode	
D705	B0BC9R600001	Zener Diode	
D706	YESAD130	Zener Diode	
D707	YEADRB051L40	Diode	
D708	MA3X152K0L	Diode	
D709	MA721TX	Diode	
D710	MA721TX	Diode	
D720	MA4091MTA	Zener Diode	
D721	MA721TX	Diode	
D760	YEADRD51M2T1	Zener Diode	
D761	YESAD129	Zener Diode	
D770	MA721TX	Diode	
D771	MA721TX	Diode	
D772	MA4051MTA	Zener Diode	
CAPACITORs			

Ref. No.	Part No.	Part Name & Description	Remarks
C52	YECUS1H470JC	Ceramic, 47pF 50WV	
C54	YESCC313	Electrolytic, 220 μF 10WV	
C55	YESCC234	Ceramic, 0.01 μF 50WV	
C56	YESCC342	Electrolytic, 1 μF 25WV	
C61	YECUS1E273KX	Ceramic, 0.027 μF 25WV	
C62	YECUS1E273KX	Ceramic, 0.027 μF 25WV	
C65	YESCC233	Ceramic, 0.001 μF 50WV	
C201	YESCC271	Ceramic, 68pF 50WV	
C202	YESCC271	Ceramic, 68pF 50WV	
C206	YESCC336	Electrolytic, 2.2 μF 50WV	
C213	YESCC191	Ceramic, 2.2 μF	
C217	YESCC230	Ceramic, 0.33 μF 16WV	
C220	YESCC336	Electrolytic, 2.2 μF 50WV	
C244	YESCC330	Ceramic, 1500pF 630WV	
C245	YESCC334	Electrolytic, 100 μF 16WV	
C246	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C247	YESCC337	Electrolytic, 4.7 μF 50WV	
C248	YESCC335	Electrolytic, 47 μF 16WV	
C249	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C251	YESCC337	Electrolytic, 4.7 μF 50WV	
C254	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C255	YESCC334	Electrolytic, 100 μF 16WV	
C257	YESCC337	Electrolytic, 4.7 μF 50WV	
C259	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C261	YESCC337	Electrolytic, 4.7 μF 50WV	
C263	YESCC338	Electrolytic, 0.047 μF 50WV	
C265	YESCC337	Electrolytic, 4.7 μF 50WV	
C267	YESCC338	Electrolytic, 0.047 μF 50WV	
C271	YESCC235	Ceramic, 0.0047 μF 50WV	
C272	YESCC235	Ceramic, 0.0047 μF 50WV	
C274	YESCC335	Electrolytic, 47 μF 16WV	
C275	YESCC210	Ceramic, 1 μF 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C279	YESCC341	Electrolytic, 4700 μF 16WV	
C301	YESCC271	Ceramic, 68pF 50WV	
C302	YESCC271	Ceramic, 68pF 50WV	
C306	YESCC336	Electrolytic, 2.2 μF 50WV	
C313	YESCC191	Ceramic, 2.2 μF	
C317	YESCC230	Ceramic, 0.33 μF 16WV	
C318	YESCC191	Ceramic, 2.2 μF	
C320	YESCC336	Electrolytic, 2.2 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C321	YESCC191	Ceramic, 2.2 μF	
C323	YESCC333	Electrolytic, 10 μF 16WV	
C324	YESCC191	Ceramic, 2.2 μF	
C325	YESCC336	Electrolytic, 2.2 μF 50WV	
C326	YESCC191	Ceramic, 2.2 μF	
C327	YESCC313	Electrolytic, 220 μF 10WV	
C328	YESCC234	Ceramic, 0.01 μF 50WV	
C345	YESCC337	Electrolytic, 4.7 μF 50WV	
C349	YESCC313	Electrolytic, 220 μF 10WV	
C351	YESCC337	Electrolytic, 4.7 μF 50WV	
C354	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C355	YESCC334	Electrolytic, 100 μF 16WV	
C357	YESCC337	Electrolytic, 4.7 μF 50WV	
C358	YESCC335	Electrolytic, 47 μF 16WV	
C359	YESCC313	Electrolytic, 220 μF 10WV	
C361	YESCC337	Electrolytic, 4.7 μF 50WV	
C363	YESCC338	Electrolytic, 0.047 μF 50WV	
C365	YESCC337	Electrolytic, 4.7 μF 50WV	
C367	YESCC338	Electrolytic, 0.047 μF 50WV	
C371	YESCC235	Ceramic, 0.0047 μF 50WV	
C372	YESCC235	Ceramic, 0.0047 μF 50WV	
C374	YESCC336	Electrolytic, 2.2 μF 50WV	
C375	YESCC333	Electrolytic, 10 μF 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C401	YECUS1H150JC	Ceramic, 15pF 50WV	
C402	YECUS1H150JC	Ceramic, 15pF 50WV	
C403	YESCC339	Electrolytic, 100 μF 6.3WV	
C404	YESCC234	Ceramic, 0.01 μF 50WV	
C405	F1H1H101A231	Ceramic, 100pF 50WV	
C411	YESCC234	Ceramic, 0.01 μF 50WV	
C412	YESCC231	Ceramic, 0.022 μF 25WV	
C413	ECQV1H224JL2	Plastic Film, 0.22 μF 50WV	
C414	YESCC313	Electrolytic, 220 μF 10WV	
C601	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C602	YESCC234	Ceramic, 0.01 μF 50WV	
C603	YESCC315	Electrolytic, 330 μF 6.3WV	
C604	EECS0HD473H	Electrolytic, 0.047 μF 5.5WV	
C605	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C606	YESCC324	Ceramic, 18pF 50WV	
C607	YESCC324	Ceramic, 18pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C608	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C609	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C610	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C630	YESCC315	Electrolytic, 330 μF 6.3WV	
C632	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C633	YESCC335	Electrolytic, 47 μF 16WV	
C651	YESCC322	Ceramic, 1pF 50WV	
C652	YESCC322	Ceramic, 1pF 50WV	
C670	YESCC333	Electrolytic, 10 μF 16WV	
C671	YESCC234	Ceramic, 0.01 μF 50WV	
C680	YESCC336	Electrolytic, 2.2 μF 50WV	
C701	YESCC326	Ceramic, 0.15 μF 50WV	
C702	YESCC321	Electrolytic, 470 μF 16WV	
C703	YESCC337	Electrolytic, 4.7 μF 50WV	
C704	YESCC340	Electrolytic, 47 μF 6.3WV	
C705	YESCC328	Ceramic, 0.01 μF 25WV	
C706	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C707	F2A1C1020069	Electrolytic, 1000 μF 16WV	
C708	YESCC313	Electrolytic, 220 μF 10WV	
C709	YESCC313	Electrolytic, 220 μF 10WV	
C710	YECUS1H103ZF	Ceramic, 0.01 μF 50WV	
C711	YECUS1H103ZF	Ceramic, 0.01 μF 50WV	
C712	YESCC332	Electrolytic, 100 μF 10WV	
C713	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C721	YESCC234	Ceramic, 0.01 μF 50WV	
C722	YESCC307	Electrolytic, 120 μF 10WV	
C730	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C731	YECUX1C334KX	Ceramic, 0.33 μF 16WV	
C732	YESCC320	Electrolytic, 56 μF 10WV	
C750	YESCC320	Electrolytic, 56 μF 10WV	
C751	YESCC200	Ceramic, 0.22 μF 25WV	
C752	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C753	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C754	YESCC275	Electrolytic, 100 μF 6.3WV	
C760	YESCC234	Ceramic, 0.01 μF 50WV	
C761	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C762	YESCC335	Electrolytic, 47 μF 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C764	YESCC329	Ceramic, 0.22 μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C765	YESCC329	Ceramic, 0.22 μ F 25WV	
C766	YESCC329	Ceramic, 0.22 μ F 25WV	
C772	YESCC340	Electrolytic, 47 μ F 6.3WV	
C795	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
RESISTORs			
J401-405	YESRG093	Chip, 0 Ω 1/8W	
J411-414	YESRG093	Chip, 0 Ω 1/8W	
J416	YESRG093	Chip, 0 Ω 1/8W	
J501-504	YESRG132	Chip, 0 Ω 1/4W	
J506-510	YESRG132	Chip, 0 Ω 1/4W	
J513-515	YESRG132	Chip, 0 Ω 1/4W	
J517	YESRG132	Chip, 0 Ω 1/4W	
J520-526	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J527-529	YESRG132	Chip, 0 Ω 1/4W	
J531-553	YESRG132	Chip, 0 Ω 1/4W	
L290-292	YESRG093	Chip, 0 Ω 1/8W	
L295	YESRG121	Chip, 4.7 Ω 1/8W	
L296	YESRG121	Chip, 4.7 Ω 1/8W	
L393	YESRG093	Chip, 0 Ω 1/8W	
L395	YESRG121	Chip, 4.7 Ω 1/8W	
L396	YESRG121	Chip, 4.7 Ω 1/8W	
L398	YESRG093	Chip, 0 Ω 1/8W	
R50	YESRG127	Chip, 5.6 Ω 1/8W	
R54	YESRG094	Chip, 100 Ω 1/8W	
R55	YESRG107	Chip, 220 Ω 1/8W	
R59	YESRG161	Chip, 100k Ω 1/10W	
R65	YESRG117	Chip, 39k Ω 1/8W	
R201	YESRG095	Chip, 1k Ω 1/8W	
R202	YESRG093	Chip, 0 Ω 1/8W	
R203	YESRG095	Chip, 1k Ω 1/8W	
R207	YESRG093	Chip, 0 Ω 1/8W	
R210	YESRG183	Chip, 36k Ω 1/8W	
R211	YESRG093	Chip, 0 Ω 1/8W	
R212	YESRG093	Chip, 0 Ω 1/8W	
R213	YESRG125	Chip, 5.6k Ω 1/8W	
R214	YESRG096	Chip, 10k Ω 1/8W	
R217	YESRG105	Chip, 18k Ω 1/8W	
R220	YESRG188	Chip, 75 Ω 1/8W	
R221	YESRG178	Chip, 120k Ω 1/8W	
R244	YESRG117	Chip, 39k Ω 1/8W	
R245	YESRG113	Chip, 27k Ω 1/8W	
R248	YESRG121	Chip, 4.7 Ω 1/8W	
R252	YESRG167	Chip, 39k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R253	YESRG166	Chip, 27k Ω 1/10W	
R254	YESRG167	Chip, 39k Ω 1/10W	
R255	YESRG166	Chip, 27k Ω 1/10W	
R261	YESRG186	Chip, 56 Ω 1/8W	
R262	YESRG160	Chip, 10k Ω 1/10W	
R263	YESRG124	Chip, 560 Ω 1/8W	
R265	YESRG186	Chip, 56 Ω 1/8W	
R266	YESRG160	Chip, 10k Ω 1/10W	
R267	YESRG149	Chip, 560 Ω 1/4W	
R275	YESRG191	Chip, 22k Ω 1/4W	
R301	YESRG095	Chip, 1k Ω 1/8W	
R302	YESRG093	Chip, 0 Ω 1/8W	
R303	YESRG095	Chip, 1k Ω 1/8W	
R307	YESRG093	Chip, 0 Ω 1/8W	
R310	YESRG105	Chip, 18k Ω 1/8W	
R311	YESRG093	Chip, 0 Ω 1/8W	
R312	YESRG093	Chip, 0 Ω 1/8W	
R313	YESRG125	Chip, 5.6k Ω 1/8W	
R314	YESRG096	Chip, 10k Ω 1/8W	
R317	YESRG105	Chip, 18k Ω 1/8W	
R320	YESRG188	Chip, 75 Ω 1/8W	
R321	YESRG178	Chip, 120k Ω 1/8W	
R322	YESRG158	Chip, 100 Ω 1/10W	
R323	YESRG095	Chip, 1k Ω 1/8W	
R324	YESRG096	Chip, 10k Ω 1/8W	
R325	YESRG095	Chip, 1k Ω 1/8W	
R326	YESRG095	Chip, 1k Ω 1/8W	
R345	YESRG186	Chip, 56 Ω 1/8W	
R346	YESRG160	Chip, 10k Ω 1/10W	
R348	YESRG121	Chip, 4.7 Ω 1/8W	
R352	YESRG117	Chip, 39k Ω 1/8W	
R353	YESRG166	Chip, 27k Ω 1/10W	
R354	YESRG117	Chip, 39k Ω 1/8W	
R355	YESRG166	Chip, 27k Ω 1/10W	
R361	YESRG186	Chip, 56 Ω 1/8W	
R362	YESRG160	Chip, 10k Ω 1/10W	
R363	YESRG124	Chip, 560 Ω 1/8W	
R365	YESRG186	Chip, 56 Ω 1/8W	
R366	YESRG160	Chip, 10k Ω 1/10W	
R367	YESRG124	Chip, 560 Ω 1/8W	
R373	YESRG105	Chip, 18k Ω 1/8W	
R375	YESRG125	Chip, 5.6k Ω 1/8W	
R376	YESRG160	Chip, 10k Ω 1/10W	
R401	YESRG162	Chip, 1.5k Ω 1/10W	
R402	YESRG169	Chip, 4.7k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R403	YESRG170	Chip, 47k Ω 1/10W	
R404-407	YESRG159	Chip, 1k Ω 1/10W	
R408	YESRG170	Chip, 47k Ω 1/10W	
R409	YESRG159	Chip, 1k Ω 1/10W	
R410	YESRG157	Chip, 0 Ω 1/10W	
R411	YESRG164	Chip, 220 Ω 1/10W	
R413	YESRG104	Chip, 1.8k Ω 1/8W	
R414	YESRG149	Chip, 560 Ω 1/4W	
R417	YESRG154	Chip, 10 Ω 1/8W	
R601	YESRG184	Chip, 4.3k Ω 1/8W	
R602	YESRG168	Chip, 4.3k Ω 1/10W	
R603	YESRG093	Chip, 0 Ω 1/8W	
R604	YESRG157	Chip, 0 Ω 1/10W	
R605	YESRG095	Chip, 1k Ω 1/8W	
R607	YESRG115	Chip, 33k Ω 1/8W	
R608	YESRG131	Chip, 8.2k Ω 1/8W	
R610	YESRG120	Chip, 47k Ω 1/8W	
R612	YESRG120	Chip, 47k Ω 1/8W	
R613	YESRG160	Chip, 10k Ω 1/10W	
R614	YESRG160	Chip, 10k Ω 1/10W	
R615	YESRG096	Chip, 10k Ω 1/8W	
R619	YESRG163	Chip, 180k Ω 1/10W	
R620	YESRG096	Chip, 10k Ω 1/8W	
R621	YESRG162	Chip, 1.5k Ω 1/10W	
R622	YESRG120	Chip, 47k Ω 1/8W	
R623	YESRG097	Chip, 100k Ω 1/8W	
R624	YESRG161	Chip, 100k Ω 1/10W	
R625	YESRG170	Chip, 47k Ω 1/10W	
R626	YESRG095	Chip, 1k Ω 1/8W	
R627	YESRG160	Chip, 10k Ω 1/10W	
R628	YESRG160	Chip, 10k Ω 1/10W	
R629	YESRG136	Chip, 100k Ω 1/4W	
R630	YESRG095	Chip, 1k Ω 1/8W	
R631	YESRG130	Chip, 820 Ω 1/8W	
R633	YESRG095	Chip, 1k Ω 1/8W	
R634	YESRG124	Chip, 560 Ω 1/8W	
R635	YESRG093	Chip, 0 Ω 1/8W	
R636	YESRG134	Chip, 1k Ω 1/4W	
R637	YESRG095	Chip, 1k Ω 1/8W	
R638	YESRG159	Chip, 1k Ω 1/10W	
R639	YESRG159	Chip, 1k Ω 1/10W	
R640	YESRG124	Chip, 560 Ω 1/8W	
R643	YESRG163	Chip, 180k Ω 1/10W	
R644	YESRG093	Chip, 0 Ω 1/8W	
R645	YESRG157	Chip, 0 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R646	YESRG097	Chip, 100k Ω 1/8W	
R650	YESRG120	Chip, 47k Ω 1/8W	
R651	YESRG120	Chip, 47k Ω 1/8W	
R652	YESRG120	Chip, 47k Ω 1/8W	
R656-R660	YESRG093	Chip, 0 Ω 1/8W	
R661	YESRG157	Chip, 0 Ω 1/10W	
R662	YESRG132	Chip, 0 Ω 1/4W	
R667	YESRG096	Chip, 10k Ω 1/8W	
R670-673	YESRG097	Chip, 100k Ω 1/8W	
R680	YESRG111	Chip, 270 Ω 1/8W	
R681	YESRG125	Chip, 5.6k Ω 1/8W	
R682	YESRG170	Chip, 47k Ω 1/10W	
R685-688	YESRG159	Chip, 1k Ω 1/10W	
R701	YESRG096	Chip, 10k Ω 1/8W	
R702	YESRG181	Chip, 270k Ω 1/8W	
R703	YESRG185	Chip, 43k Ω 1/8W	
R704	YESRG192	Chip, 4.7 Ω 1/4W	
R705	YESRG133	Chip, 10 Ω 1/4W	
R706	YESRG160	Chip, 10k Ω 1/10W	
R708	YESRG170	Chip, 47k Ω 1/10W	
R709	YESRG156	Carbon, 820 Ω 1/2W	
R710	YESRG156	Carbon, 820 Ω 1/2W	
R711	YESRG140	Chip, 1 Ω 1/4W	
R712	YESRG140	Chip, 1 Ω 1/4W	
R713	YESRG130	Chip, 820 Ω 1/8W	
R714	YESRG130	Chip, 820 Ω 1/8W	
R715	YESRG119	Chip, 4.7k Ω 1/8W	
R716	YESRG110	Chip, 220k Ω 1/8W	
R717	YESRG185	Chip, 43k Ω 1/8W	
R718	YESRG133	Chip, 10 Ω 1/4W	
R719	YESRG088	Carbon, 3.3k Ω 1/2W	
R720	YESRG189	Chip, 100 Ω 1/4W	
R721	YESRG189	Chip, 100 Ω 1/4W	
R730	YESRG175	Chip, 68k Ω 1/8W	
R731	YESRG174	Chip, 220k Ω 1/8W	
R732	YESRG058	Chip, 18k Ω 1/8W	
R733	YESRG172	Chip, 130k Ω 1/8W	
R734	YESRG173	Chip, 2.2k Ω 1/8W	
R750	YESRG090	Chip, 10k Ω 1/8W	
R751	YESRG176	Chip, 8.2k Ω 1/8W	
R752	YESRG173	Chip, 2.2k Ω 1/8W	
R760	YESRG179	Chip, 1.6k Ω 1/8W	
R761	YESRG155	Carbon, 3.9 Ω 1/2W	
R772	YESRG190	Chip, 220 Ω 1/4W	
R773	YESRG190	Chip, 220 Ω 1/4W	

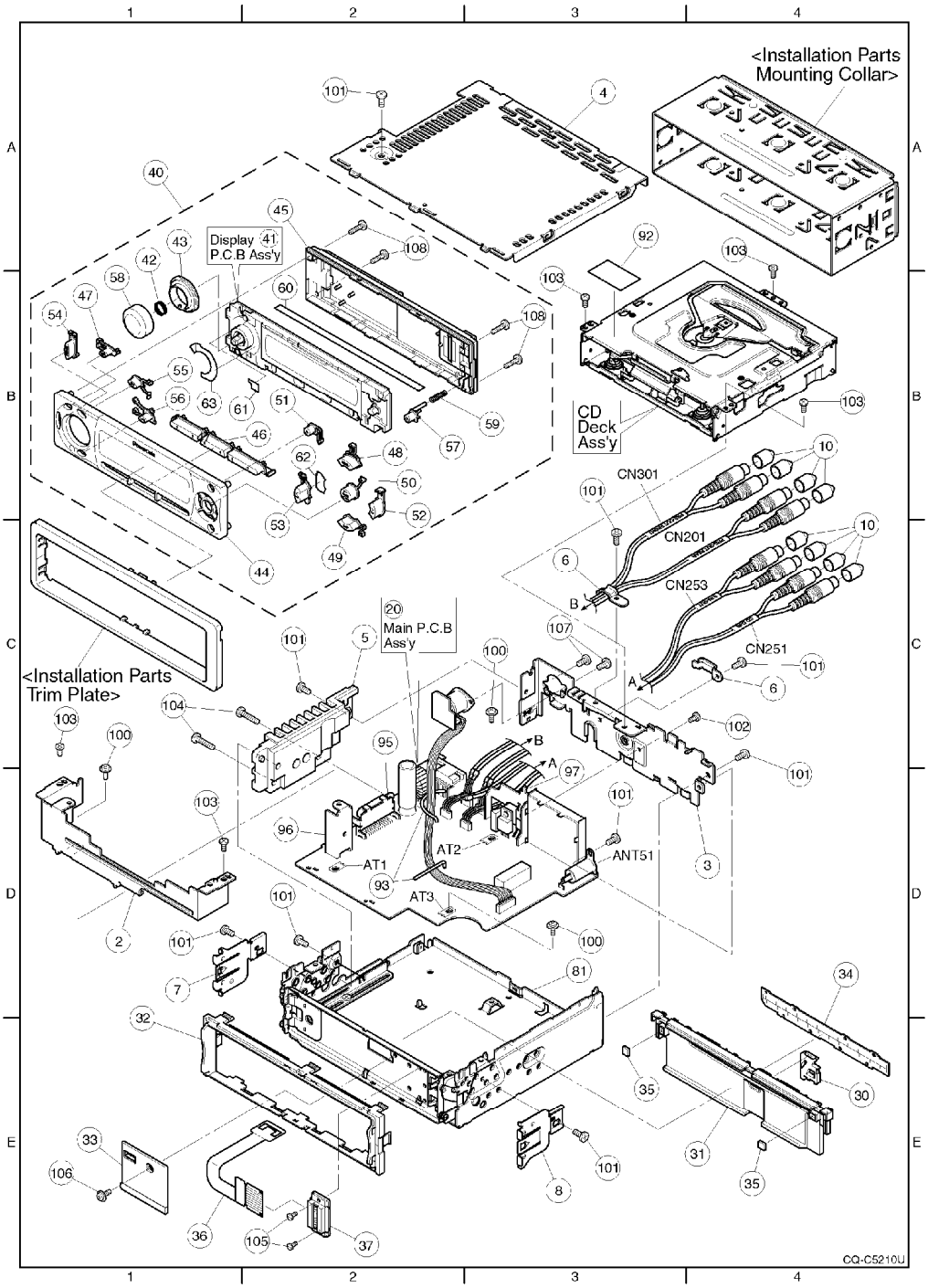
Ref. No.	Part No.	Part Name & Description	Remarks
R790	YESRG109	Chip, 22k Ω 1/8W	
R791	YESRG109	Chip, 22k Ω 1/8W	
R795	YESRG095	Chip, 1k Ω 1/8W	
CONNECTORs			
CN201	YESAJ07020	RCA Wire (PRE OUT R)	
CN251	YESAJ07008	RCA Wire (CD.C-IN)	
CN253	YESAJ07009	RCA Wire (S.W-OUT)	
CN301	YESAJ07019	RCA Wire (PRE OUT F)	
CN601	K1MN16B00130	Connector, 16P	
CN651	YESAE340	Connector 22P	
CN670	YESAJ07018	Wire Connector 7P	
CN680	YESAE343	DIN Jack	
CN701	YESAE351	Connector 16P	
CN760	YEAE5339802	Connector, 2P	
SWITCHes			
SW601	K0L1BA000022	Switch	
SW602	K0L1BA000023	Switch	
COILs			
L401	YESLQ019	Coil	
L50	G1C150K00011	Coil	
L52	G1CR56K00009	Coil	
L601	YESLQ029	Coil	
L602	YESLQ019	Coil	
L603	YESLQ029	Coil	
L630	ELEAR330KA	Coil	
L701	YELTBLNA62B1	Coil	
L702	G0A161J00001	Coil	
FILTER			
CF51	YESLA003	Filter	
CRYSTALs			
XL401	YESXL021	Crystal	
XL601	H0J419400009	Crystal	
POSISTOR			
PT701	YERT7AR4R7MT	Posistor	
SERGE PROTECTOR			
Z50	YESRTD008	Serge Protector	

Ref. No.	Part No.	Part Name & Description	Remarks
[7205-05-02] Display Block			
IC's and TRANSISTORs			
IC901	YESAM168	IC	
IC902	B3MBZ0000006	IC	
Q921	YESAN061	Transistor	
Q922	YESAN061	Transistor	
DIODEs			
D901-904	YESAD115	Zener Diode	
D915-923	YESAD115	Zener Diode	
D940	YESAD126	LED	
CAPACITORs			
C923	YESCC228	Ceramic, 0.1 μF 16WV	
C910	YESCC323	Ceramic, 1000pF 50WV	
C911	YESCC210	Ceramic, 1 μF 16WV	
C912	YESCC210	Ceramic, 1 μF 16WV	
C914	YESCC228	Ceramic, 0.1 μF 16WV	
C915	YESCC228	Ceramic, 0.1 μF 16WV	
C921	YESCC217	Electrolytic, 47 μF 16WV	
C922	F1J1H562A675	Ceramic, 0.0056 μF 50WV	
C924	YESCC331	Film, 0.022 μF 100WV	
C925	YESCC211	Ceramic, 12pF 3.15WkV	
C926	YESCC228	Ceramic, 0.1 μF 16WV	
C927	YESCC228	Ceramic, 0.1 μF 16WV	
C928	YESCC271	Ceramic, 68pF 50WV	
C929	YESCC228	Ceramic, 0.1 μF 16WV	
C930	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C931	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C932	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C933	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C934	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
RESISTORs			
R906	YESRG094	Chip, 100 Ω 1/8W	
R907	YESRG095	Chip, 1k Ω 1/8W	
R908-911	YESRG159	Chip, 1k Ω 1/10W	
R921	YESRG128	Chip, 680 Ω 1/8W	
R922	YESRG119	Chip, 4.7k Ω 1/8W	
R923	YESRG119	Chip, 4.7k Ω 1/8W	
R938	YESRG121	Chip, 4.7 Ω 1/8W	
R940	YESRG122	Chip, 510 Ω 1/8W	
R941	YESRG096	Chip, 10k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R942	YESRG185	Chip, 43k Ω 1/8W	
R961	YESRG115	Chip, 33k Ω 1/8W	
R962	YESRG115	Chip, 33k Ω 1/8W	
R963	YESRG115	Chip, 33k Ω 1/8W	
R964	YESRG115	Chip, 33k Ω 1/8W	
R965	YESRG115	Chip, 33k Ω 1/8W	
CONNECTOR			
CN901	YESAE364	Connector, 16P	
COILs			
L921	YESLT027	Coil	
L922	YESLT028	Coil	
SWITCHes			
SW901	YESAS121	Switch	
SW902-917	K0H1BA000445	Switch	
LCD			
LCD901	YESXDCM012	LCD	
CFL			
CFL901	A2CA00000044	CFL	
INSTALLATION PARTS			
	YESAJ01224	Power Connector	
	YESFZ259	Remote Control Unit	
	CR2025/1F	Lithium Battery	⚠
	YESFZ257	Screws Kit	
	YEFA131839	Removable Face Plate Case	
	YESFX021127	Rear Support Strap	
	YESFX018006	Mounting Collar	
	YEFC05605	Trim Plate	
MECHANICAL PARTS			
MISCELLANEOUS			
ANT51	YM104C7008A	Antenna Receptacle	
AT1-3	YESAT01028	Earth Terminal	
2	YESFA07011	Front Plate	
3	YESFA08027	Rear Plate	
4	YESFA03056	Top Cover	
5	YESFF01083	Heat Sink	
6	YESFX007025	Cord Clamper	

Ref. No.	Part No.	Part Name & Description	Remarks
7	YESFX005133	Plate Spring L	
8	YESFX005134	Plate Spring R	
10	YESFR04010	RCA Cap	
20	YESAP324	Main PCB Ass'y	RTL
30	YESFX001028	Transparent Plate, CD	
31	YESFC02121	Rear Cover, Escutcheon	
32	YESFC02130	Fornt Cover, Escutcheon	
33	YESFA13015	Flexible PCB Case	
34	YESFS01086	Dust Felt	
35	YESFS01087	Pad	
36	YEAP2879	Flexible PCB	
37	K1NZ16H00001	Connector, 16P	
40	YESSDF0133	Removable Face Plate Unit	RTL
41	YESAP326	Display PCB Ass'y	RTL
42	YESFX005131	Knob Spring	
43	YESFX001029	Transparent Plate, VOL	
44	YESFC02128	Escutheon Ass'y, Detachable	
45	YESFA13014	Back Cover, Detachable	
46	YESFE13188	Preset Button	
47	YESFE13170	Button (MUTE)	
48	YESFE13171	Button (MENU)	
49	YESFE13172	Button (DISP)	
50	YESFE13173	Button (BAND)	
51	YESFE13174	Button (CD EJECT)	
52	YESFE13175	Button (TUNE UP)	
53	YESFE13176	Button (TUNE DOWN)	
54	YESFE13177	Button (SOURCE)	
55	YESFE13178	Button (SQ)	
56	YESFE13179	Button (D/M)	
57	YESFE13180	Button (RELEASE)	
58	YESFE07010	Knob, VOL	
59	YESFX005153	Spring, Release	
60	YESFV02006	Shading Sheet (R COV)	
61	YESFV02007	Shading Sheet (SQ)	
62	YESFV02008	Shading Sheet (T DWN)	
63	YESFV02009	Shading Sheet (VOL)	
81	YESFX999062	Drive Mechanism Ass'y	
92	YESFM01080	Laser Seal (English)	
93	YESFX007023	Style Pin	
95	YESFG02029	Power IC Bracket	
96	YESFX021134	Bracket, Regulator A	
97	YESFX021135	Bracket, Regulator B	
100	YESJS01183	Cup Screw S 2.6*6	
101	YESJT03067	Tapping Bind Screw S Tite M3*6	
102	YESJS01179	Bind Screw 2.6*8	
103	YESJT03066	Tapping Bind Screw S Tite M2.6*5	
104	YESJS01180	Bind Screw 3*14	
105	YESJS01181	Camera Screw 2*4	
106	YESJS01184	Cup Screw SP 2*4	
107	YESJS01166	Bind Screw 3.0*6.0	
108	YESJS01182	Camera Screw 2*8	

18. EXPLODED VIEW (Unit) [CQ-C5210U]



19. REPLACEMENT PARTS LIST [CQ-C5110U]

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7205-02-11] Main Block			
IC's and TRANSISTORs			
IC201	C1BB00000796	IC	
IC271	C1EA00000021	IC	
IC401	YESAM194	IC	
IC601	YESAM237	IC	
IC670	YESAM183	IC	
IC702	AN8065SE1	IC	
IC730	BA00AST	IC	
IC750	BA00AST	IC	
IC752	YESAM159	IC	
IC760	C0GBG0000032	IC	
IC761	YESAM235	IC	
PA51	C5BA00000109	Tuner Pack	
Q55	YEANFP1F3PT1	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q263	B1GDCFJJ0002	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q267	B1GDCFJJ0002	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q347	B1GDCFJJ0002	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q363	B1GDCFJJ0002	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q367	B1GDCFJJ0002	Transistor	
Q372	YEANC114YKX	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q376	B1GBCFNN0004	Transistor	
Q411	YEAN2SK536TB	FET	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	
Q667	YESAN062	Transistor	
Q680	B1GDCFLL0010	Transistor	
Q701	YESAN060	Transistor	
Q702	YESAN060	Transistor	
Q703	B1BCCF000017	Transistor	
Q704	B1GDJCEJ0001	Transistor	
Q705	YEANC4480AN	Transistor	
Q706	2SD2139TA	Transistor	
Q730	B1GBCFNN0004	Transistor	
Q731	B1GBCFNN0004	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q790	YEANHQ1F3PT1	Transistor	
Q791	YEANHQ1F3PT1	Transistor	
Q792	YEANC114YKX	Transistor	
Q793	YEANC114YKX	Transistor	
DIODEs			
D201	YEADSR1544TL	Diode	
D202	YEADSR1544TL	Diode	
D203	YEADSR1544TL	Diode	
D204	YEADSR1544TL	Diode	
D301	YEADSR1544TL	Diode	
D302	YEADSR1544TL	Diode	
D303	YEADSR1544TL	Diode	
D304	YEADSR1544TL	Diode	
D630	B3AAB0000143	LED	
D631-636	YESAD115	Zener Diode	
D637	MA152WATX	Diode	
D670	MA721TX	Diode	
D671	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Zener Diode	
D702	MA721TX	Diode	
D703	YEADRD56M3T1	Zener Diode	
D704	MA721TX	Diode	
D705	B0BC9R600001	Zener Diode	
D706	YESAD130	Zener Diode	
D707	YEADRB051L40	Diode	
D708	MA3X152K0L	Diode	
D709	MA721TX	Diode	
D710	MA721TX	Diode	
D720	MA4091MTA	Zener Diode	
D721	MA721TX	Diode	
D760	YEADRD51M2T1	Zener Diode	
D761	YESAD129	Zener Diode	
D772	MA4051MTA	Zener Diode	
CAPACITORs			
C52	YECUS1H470JC	Ceramic, 47pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C54	YESCC313	Electrolytic, 220 μ F 10WV	
C55	YESCC234	Ceramic, 0.01 μ F 50WV	
C56	YESCC342	Electrolytic, 1 μ F 25WV	
C61	YECUS1E273KX	Ceramic, 0.027 μ F 25WV	
C62	YECUS1E273KX	Ceramic, 0.027 μ F 25WV	
C65	YESCC233	Ceramic, 0.001 μ F 50WV	
C201	YESCC271	Ceramic, 68pF 50WV	
C202	YESCC271	Ceramic, 68pF 50WV	
C206	YESCC336	Electrolytic, 2.2 μ F 50WV	
C213	YESCC191	Ceramic, 2.2 μ F	
C217	YESCC230	Ceramic, 0.33 μ F 16WV	
C220	YESCC336	Electrolytic, 2.2 μ F 50WV	
C261	YESCC337	Electrolytic, 4.7 μ F 50WV	
C263	YESCC338	Electrolytic, 0.047 μ F 50WV	
C265	YESCC337	Electrolytic, 4.7 μ F 50WV	
C267	YESCC338	Electrolytic, 0.047 μ F 50WV	
C271	YESCC235	Ceramic, 0.0047 μ F 50WV	
C272	YESCC235	Ceramic, 0.0047 μ F 50WV	
C274	YESCC335	Electrolytic, 47 μ F 16WV	
C275	YESCC210	Ceramic, 1 μ F 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C279	YESCC341	Electrolytic, 4700 μ F 16WV	
C301	YESCC271	Ceramic, 68pF 50WV	
C302	YESCC271	Ceramic, 68pF 50WV	
C306	YESCC336	Electrolytic, 2.2 μ F 50WV	
C313	YESCC191	Ceramic, 2.2 μ F	
C317	YESCC230	Ceramic, 0.33 μ F 16WV	
C318	YESCC191	Ceramic, 2.2 μ F	
C320	YESCC336	Electrolytic, 2.2 μ F 50WV	
C321	YESCC191	Ceramic, 2.2 μ F	
C323	YESCC333	Electrolytic, 10 μ F 16WV	
C324	YESCC191	Ceramic, 2.2 μ F	
C325	YESCC336	Electrolytic, 2.2 μ F 50WV	
C326	YESCC191	Ceramic, 2.2 μ F	
C327	YESCC313	Electrolytic, 220 μ F 10WV	
C328	YESCC234	Ceramic, 0.01 μ F 50WV	
C345	YESCC337	Electrolytic, 4.7 μ F 50WV	
C361	YESCC337	Electrolytic, 4.7 μ F 50WV	
C363	YESCC338	Electrolytic, 0.047 μ F 50WV	
C365	YESCC337	Electrolytic, 4.7 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C367	YESCC338	Electrolytic, 0.047 μ F 50WV	
C371	YESCC235	Ceramic, 0.0047 μ F 50WV	
C372	YESCC235	Ceramic, 0.0047 μ F 50WV	
C374	YESCC336	Electrolytic, 2.2 μ F 50WV	
C375	YESCC333	Electrolytic, 10 μ F 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C401	YECUS1H150JC	Ceramic, 15pF 50WV	
C402	YECUS1H150JC	Ceramic, 15pF 50WV	
C403	YESCC339	Electrolytic, 100 μ F 6.3WV	
C404	YESCC234	Ceramic, 0.01 μ F 50WV	
C405	F1H1H101A231	Ceramic, 100pF 50WV	
C411	YESCC234	Ceramic, 0.01 μ F 50WV	
C412	YESCC231	Ceramic, 0.022 μ F 25WV	
C413	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C414	YESCC313	Electrolytic, 220 μ F 10WV	
C601	YECUS1H104KX	Ceramic, 0.1 μ F 50WV	
C602	YESCC234	Ceramic, 0.01 μ F 50WV	
C603	YESCC315	Electrolytic, 330 μ F 6.3WV	
C604	EECS0HD473H	Electrolytic, 0.047 μ F 5.5WV	
C605	YECUS1H104KX	Ceramic, 0.1 μ F 50WV	
C606	YESCC324	Ceramic, 18pF 50WV	
C607	YESCC324	Ceramic, 18pF 50WV	
C608	YECUS1H104KX	Ceramic, 0.1 μ F 50WV	
C609	YECUS1H104KX	Ceramic, 0.1 μ F 50WV	
C610	YECUS1H104KX	Ceramic, 0.1 μ F 50WV	
C630	YESCC315	Electrolytic, 330 μ F 6.3WV	
C632	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C633	YESCC335	Electrolytic, 47 μ F 16WV	
C651	YESCC322	Ceramic, 1pF 50WV	
C652	YESCC322	Ceramic, 1pF 50WV	
C670	YESCC333	Electrolytic, 10 μ F 16WV	
C671	YESCC234	Ceramic, 0.01 μ F 50WV	
C680	YESCC336	Electrolytic, 2.2 μ F 50WV	
C701	YESCC326	Ceramic, 0.15 μ F 50WV	
C702	YESCC321	Electrolytic, 470 μ F 16WV	
C703	YESCC337	Electrolytic, 4.7 μ F 50WV	
C704	YESCC340	Electrolytic, 47 μ F 6.3WV	
C705	YESCC328	Ceramic, 0.01 μ F 25WV	
C706	YECUS1H104KX	Ceramic, 0.1 μ F 50WV	
C707	F2A1C1020069	Electrolytic, 1000 μ F 16WV	
C708	YESCC313	Electrolytic, 220 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C709	YESCC313	Electrolytic, 220 μF 10WV	
C710	YECUS1H103ZF	Ceramic, 0.01 μF 50WV	
C711	YECUS1H103ZF	Ceramic, 0.01 μF 50WV	
C712	YESCC332	Electrolytic, 100 μF 10WV	
C713	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C721	YESCC234	Ceramic, 0.01 μF 50WV	
C722	YESCC307	Electrolytic, 120 μF 10WV	
C730	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C731	YECUX1C334KX	Ceramic, 0.33 μF 16WV	
C732	YESCC320	Electrolytic, 56 μF 10WV	
C750	YESCC320	Electrolytic, 56 μF 10WV	
C751	YESCC200	Ceramic, 0.22 μF 25WV	
C752	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C753	YECUS1H104KX	Ceramic, 0.1 μF 50WV	
C754	YESCC275	Electrolytic, 100 μF 6.3WV	
C760	YESCC234	Ceramic, 0.01 μF 50WV	
C761	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C762	YESCC335	Electrolytic, 47 μF 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C764	YESCC329	Ceramic, 0.22 μF 25WV	
C765	YESCC329	Ceramic, 0.22 μF 25WV	
C766	YESCC329	Ceramic, 0.22 μF 25WV	
C772	YESCC340	Electrolytic, 47 μF 6.3WV	
C795	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
RESISTORs			
J401-405	YESRG093	Chip, 0 Ω 1/8W	
J411-414	YESRG093	Chip, 0 Ω 1/8W	
J416	YESRG093	Chip, 0 Ω 1/8W	
J501-504	YESRG132	Chip, 0 Ω 1/4W	
J506-510	YESRG132	Chip, 0 Ω 1/4W	
J513-515	YESRG132	Chip, 0 Ω 1/4W	
J517	YESRG132	Chip, 0 Ω 1/4W	
J518	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J519	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J520-526	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J527-529	YESRG132	Chip, 0 Ω 1/4W	
J531-553	YESRG132	Chip, 0 Ω 1/4W	
L290-292	YESRG093	Chip, 0 Ω 1/8W	
L295	YESRG102	Chip, 18 Ω 1/8W	
L296	YESRG102	Chip, 18 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
L393	YESRG093	Chip, 0 Ω 1/8W	
L395	YESRG102	Chip, 18 Ω 1/8W	
L396	YESRG102	Chip, 18 Ω 1/8W	
L398	YESRG093	Chip, 0 Ω 1/8W	
R50	YESRG127	Chip, 5.6 Ω 1/8W	
R54	YESRG094	Chip, 100 Ω 1/8W	
R55	YESRG107	Chip, 220 Ω 1/8W	
R59	YESRG161	Chip, 100k Ω 1/10W	
R65	YESRG117	Chip, 39k Ω 1/8W	
R201	YESRG095	Chip, 1k Ω 1/8W	
R202	YESRG093	Chip, 0 Ω 1/8W	
R203	YESRG095	Chip, 1k Ω 1/8W	
R207	YESRG093	Chip, 0 Ω 1/8W	
R210	YESRG105	Chip, 18k Ω 1/8W	
R211	YESRG093	Chip, 0 Ω 1/8W	
R212	YESRG093	Chip, 0 Ω 1/8W	
R213	YESRG125	Chip, 5.6k Ω 1/8W	
R214	YESRG096	Chip, 10k Ω 1/8W	
R217	YESRG105	Chip, 18k Ω 1/8W	
R220	YESRG188	Chip, 75 Ω 1/8W	
R221	YESRG178	Chip, 120k Ω 1/8W	
R247	YESRG132	Chip, 0 Ω 1/4W	
R248	YESRG121	Chip, 4.7 Ω 1/8W	
R251	YESRG093	Chip, 0 Ω 1/8W	
R257	YESRG093	Chip, 0 Ω 1/8W	
R261	YESRG186	Chip, 56 Ω 1/8W	
R262	YESRG160	Chip, 10k Ω 1/10W	
R263	YESRG124	Chip, 560 Ω 1/8W	
R265	YESRG103	Chip, 180 Ω 1/8W	
R266	YESRG160	Chip, 10k Ω 1/10W	
R267	YESRG149	Chip, 560 Ω 1/4W	
R275	YESRG191	Chip, 22k Ω 1/4W	
R301	YESRG095	Chip, 1k Ω 1/8W	
R302	YESRG093	Chip, 0 Ω 1/8W	
R303	YESRG095	Chip, 1k Ω 1/8W	
R307	YESRG093	Chip, 0 Ω 1/8W	
R310	YESRG105	Chip, 18k Ω 1/8W	
R311	YESRG093	Chip, 0 Ω 1/8W	
R312	YESRG093	Chip, 0 Ω 1/8W	
R313	YESRG125	Chip, 5.6k Ω 1/8W	
R314	YESRG096	Chip, 10k Ω 1/8W	
R317	YESRG105	Chip, 18k Ω 1/8W	
R320	YESRG188	Chip, 75 Ω 1/8W	
R321	YESRG187	Chip, 56k Ω 1/8W	
R322	YESRG158	Chip, 100 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R323	YESRG095	Chip, 1k Ω 1/8W	
R324	YESRG096	Chip, 10k Ω 1/8W	
R325	YESRG095	Chip, 1k Ω 1/8W	
R326	YESRG095	Chip, 1k Ω 1/8W	
R345	YESRG186	Chip, 56 Ω 1/8W	
R346	YESRG160	Chip, 10k Ω 1/10W	
R348	YESRG102	Chip, 18 Ω 1/8W	
R351	YESRG132	Chip, 0 Ω 1/4W	
R361	YESRG103	Chip, 180 Ω 1/8W	
R362	YESRG160	Chip, 10k Ω 1/10W	
R363	YESRG124	Chip, 560 Ω 1/8W	
R365	YESRG186	Chip, 56 Ω 1/8W	
R366	YESRG160	Chip, 10k Ω 1/10W	
R367	YESRG124	Chip, 560 Ω 1/8W	
R373	YESRG105	Chip, 18k Ω 1/8W	
R375	YESRG125	Chip, 5.6k Ω 1/8W	
R376	YESRG160	Chip, 10k Ω 1/10W	
R401	YESRG162	Chip, 1.5k Ω 1/10W	
R402	YESRG169	Chip, 4.7k Ω 1/10W	
R403	YESRG170	Chip, 47k Ω 1/10W	
R404-407	YESRG159	Chip, 1k Ω 1/10W	
R408	YESRG170	Chip, 47k Ω 1/10W	
R409	YESRG159	Chip, 1k Ω 1/10W	
R410	YESRG157	Chip, 0 Ω 1/10W	
R411	YESRG164	Chip, 220 Ω 1/10W	
R413	YESRG104	Chip, 1.8k Ω 1/8W	
R414	YESRG149	Chip, 560 Ω 1/4W	
R417	YESRG154	Chip, 10 Ω 1/8W	
R601	YESRG184	Chip, 4.3k Ω 1/8W	
R602	YESRG168	Chip, 4.3k Ω 1/10W	
R603	YESRG093	Chip, 0 Ω 1/8W	
R604	YESRG157	Chip, 0 Ω 1/10W	
R605	YESRG095	Chip, 1k Ω 1/8W	
R607	YESRG115	Chip, 33k Ω 1/8W	
R608	YESRG131	Chip, 8.2k Ω 1/8W	
R609	YESRG170	Chip, 47k Ω 1/10W	
R612	YESRG120	Chip, 47k Ω 1/8W	
R613	YESRG160	Chip, 10k Ω 1/10W	
R614	YESRG160	Chip, 10k Ω 1/10W	
R615	YESRG096	Chip, 10k Ω 1/8W	
R619	YESRG163	Chip, 180k Ω 1/10W	
R620	YESRG096	Chip, 10k Ω 1/8W	
R621	YESRG162	Chip, 1.5k Ω 1/10W	
R622	YESRG120	Chip, 47k Ω 1/8W	
R623	YESRG097	Chip, 100k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R624	YESRG161	Chip, 100k Ω 1/10W	
R625	YESRG170	Chip, 47k Ω 1/10W	
R626	YESRG095	Chip, 1k Ω 1/8W	
R627	YESRG160	Chip, 10k Ω 1/10W	
R628	YESRG160	Chip, 10k Ω 1/10W	
R629	YESRG136	Chip, 100k Ω 1/4W	
R630	YESRG095	Chip, 1k Ω 1/8W	
R631	YESRG130	Chip, 820 Ω 1/8W	
R633	YESRG095	Chip, 1k Ω 1/8W	
R634	YESRG124	Chip, 560 Ω 1/8W	
R635	YESRG093	Chip, 0 Ω 1/8W	
R636	YESRG134	Chip, 1k Ω 1/4W	
R637	YESRG095	Chip, 1k Ω 1/8W	
R638	YESRG159	Chip, 1k Ω 1/10W	
R639	YESRG159	Chip, 1k Ω 1/10W	
R640	YESRG124	Chip, 560 Ω 1/8W	
R643	YESRG163	Chip, 180k Ω 1/10W	
R644	YESRG093	Chip, 0 Ω 1/8W	
R645	YESRG157	Chip, 0 Ω 1/10W	
R646	YESRG097	Chip, 100k Ω 1/8W	
R650	YESRG120	Chip, 47k Ω 1/8W	
R651	YESRG120	Chip, 47k Ω 1/8W	
R652	YESRG120	Chip, 47k Ω 1/8W	
R656-660	YESRG093	Chip, 0 Ω 1/8W	
R661	YESRG157	Chip, 0 Ω 1/10W	
R662	YESRG132	Chip, 0 Ω 1/4W	
R667	YESRG096	Chip, 10k Ω 1/8W	
R670-673	YESRG097	Chip, 100k Ω 1/8W	
R680	YESRG111	Chip, 270 Ω 1/8W	
R681	YESRG125	Chip, 5.6k Ω 1/8W	
R682	YESRG170	Chip, 47k Ω 1/10W	
R685-688	YESRG159	Chip, 1k Ω 1/10W	
R701	YESRG096	Chip, 10k Ω 1/8W	
R702	YESRG181	Chip, 270k Ω 1/8W	
R703	YESRG185	Chip, 43k Ω 1/8W	
R704	YESRG192	Chip, 4.7 Ω 1/4W	
R705	YESRG133	Chip, 10 Ω 1/4W	
R706	YESRG160	Chip, 10k Ω 1/10W	
R708	YESRG170	Chip, 47k Ω 1/10W	
R709	YESRG156	Carbon, 820 Ω 1/2W	
R710	YESRG156	Carbon, 820 Ω 1/2W	
R711	YESRG140	Chip, 1 Ω 1/4W	
R712	YESRG140	Chip, 1 Ω 1/4W	
R713	YESRG130	Chip, 820 Ω 1/8W	
R714	YESRG130	Chip, 820 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R715	YESRG119	Chip, 4.7k Ω 1/8W	
R716	YESRG110	Chip, 220k Ω 1/8W	
R717	YESRG185	Chip, 43k Ω 1/8W	
R718	YESRG133	Chip, 10 Ω 1/4W	
R719	YESRG088	Carbon, 3.3k Ω 1/2W	
R720	YESRG189	Chip, 100 Ω 1/4W	
R721	YESRG189	Chip, 100 Ω 1/4W	
R730	YESRG175	Chip, 68k Ω 1/8W	
R731	YESRG174	Chip, 220k Ω 1/8W	
R732	YESRG058	Chip, 18k Ω 1/8W	
R733	YESRG172	Chip, 130k Ω 1/8W	
R734	YESRG173	Chip, 2.2k Ω 1/8W	
R750	YESRG090	Chip, 10k Ω 1/8W	
R751	YESRG176	Chip, 8.2k Ω 1/8W	
R752	YESRG173	Chip, 2.2k Ω 1/8W	
R760	YESRG179	Chip, 1.6k Ω 1/8W	
R761	YESRG155	Carbon, 3.9 Ω 1/2W	
R770	YESRG093	Chip, 0 Ω 1/8W	
R772	YESRG190	Chip, 220 Ω 1/4W	
R773	YESRG190	Chip, 220 Ω 1/4W	
R790	YESRG109	Chip, 22k Ω 1/8W	
R791	YESRG109	Chip, 22k Ω 1/8W	
R795	YESRG095	Chip, 1k Ω 1/8W	
CONNECTORs			
CN251	YESAJ07008	RCA Wire (CD.C-IN)	
CN253	YESAJ07009	RCA Wire (S.W-OUT)	
CN302	K2HA104B0010	Jack, RCA (PRE OUT F,R)	
CN601	K1MN16B00130	Connector, 16P	
CN651	YESAE340	Connector 22P	
CN670	YESAJ07018	Wire Connector 7P	
CN680	YESAE343	DIN Jack	
CN701	YESAE351	Connector 16P	
CN760	YEAE5339802	Connector, 2P	
SWITCHes			
SW601	K0L1BA000022	Switch	
SW602	K0L1BA000023	Switch	
COILs			
L401	YESLQ019	Coil	
L50	G1C150K00011	Coil	
L52	G1CR56K00009	Coil	
L601	YESLQ029	Coil	
L602	YESLQ019	Coil	
L603	YESLQ029	Coil	

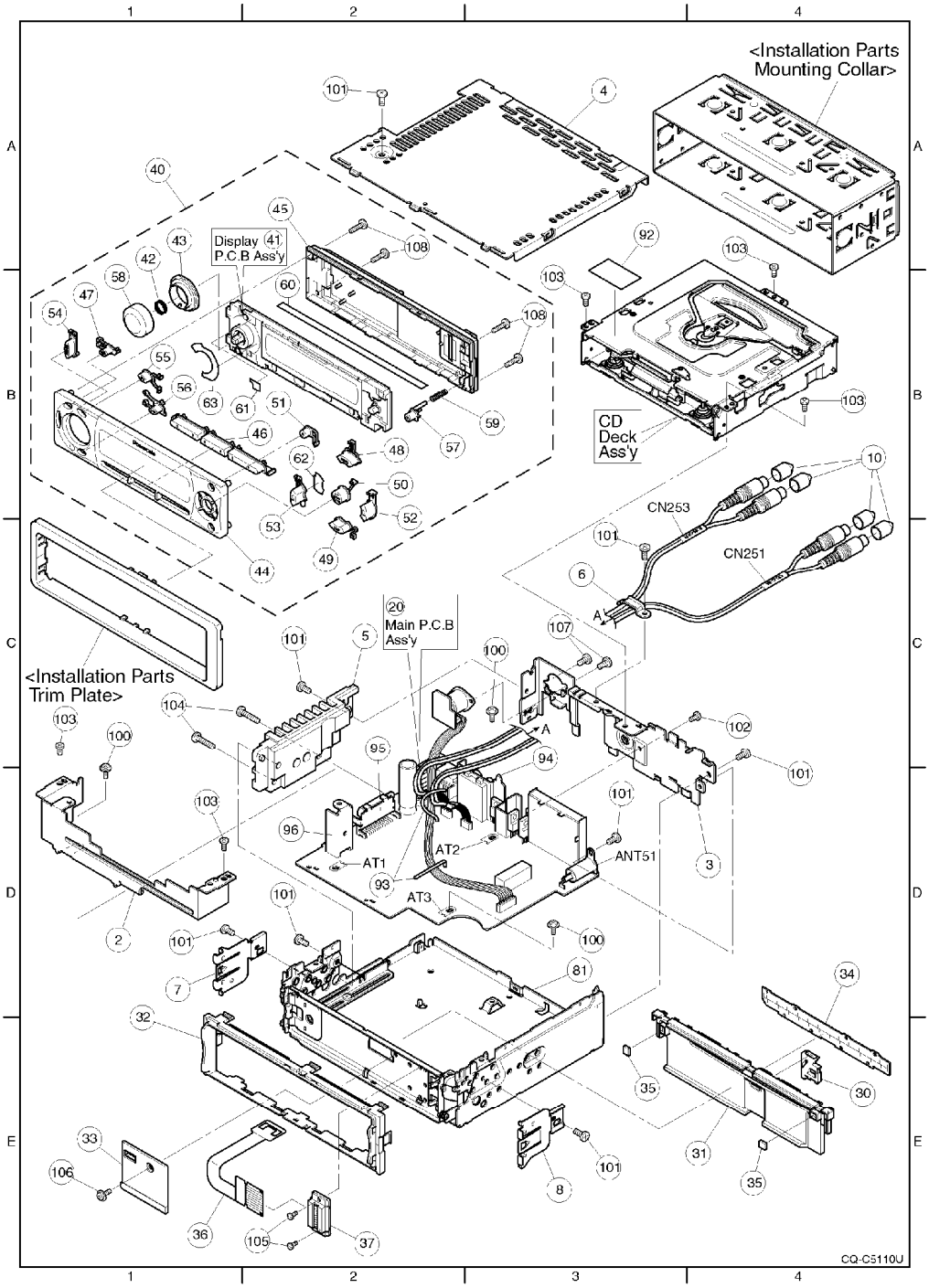
Ref. No.	Part No.	Part Name & Description	Remarks
L630	ELEAR330KA	Coil	
L701	YELTBLNA62B1	Coil	
L702	G0A161J00001	Coil	
FILTER			
CF51	YESLA003	Filter	
CRYSTALs			
XL401	YESXL021	Crystal	
XL601	H0J419400009	Crystal	
POSISTOR			
PT701	YERT7AR4R7MT	Posistor	
SERGE PROTECTOR			
Z50	YESRTD008	Serge Protector	
[7205-05-02] Display Block			
IC's and TRANSISTORs			
IC901	YESAM168	IC	
IC902	B3MBZ0000006	IC	
Q921	YESAN061	Transistor	
Q922	YESAN061	Transistor	
DIODEs			
D901-904	YESAD115	Zener Diode	
D915-923	YESAD115	Zener Diode	
D940	YESAD126	LED	
CAPACITORs			
C923	YESCC228	Ceramic, 0.1 μF 16WV	
C910	YESCC323	Ceramic, 1000pF 50WV	
C911	YESCC210	Ceramic, 1 μF 16WV	
C912	YESCC210	Ceramic, 1 μF 16WV	
C914	YESCC228	Ceramic, 0.1 μF 16WV	
C915	YESCC228	Ceramic, 0.1 μF 16WV	
C921	YESCC217	Electrolytic, 47 μF 16WV	
C922	F1J1H562A675	Ceramic, 0.0056 μF 50WV	
C924	YESCC331	Film, 0.022 μF 100WV	
C925	YESCC211	Ceramic, 12pF 3.15WkV	
C926	YESCC228	Ceramic, 0.1 μF 16WV	
C927	YESCC228	Ceramic, 0.1 μF 16WV	
C928	YESCC271	Ceramic, 68pF 50WV	
C929	YESCC228	Ceramic, 0.1 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C930	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C931	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C932	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C933	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
C934	F1H1H2220004	Ceramic, 0.0047 μF 50WV	
RESISTORs			
R906	YESRG094	Chip, 100 Ω 1/8W	
R907	YESRG095	Chip, 1k Ω 1/8W	
R908-911	YESRG159	Chip, 1k Ω 1/10W	
R921	YESRG128	Chip, 680 Ω 1/8W	
R922	YESRG119	Chip, 4.7k Ω 1/8W	
R923	YESRG119	Chip, 4.7k Ω 1/8W	
R938	YESRG121	Chip, 4.7 Ω 1/8W	
R940	YESRG122	Chip, 510 Ω 1/8W	
R941	YESRG096	Chip, 10k Ω 1/8W	
R942	YESRG185	Chip, 43k Ω 1/8W	
R961	YESRG115	Chip, 33k Ω 1/8W	
R962	YESRG115	Chip, 33k Ω 1/8W	
R963	YESRG115	Chip, 33k Ω 1/8W	
R964	YESRG115	Chip, 33k Ω 1/8W	
R965	YESRG115	Chip, 33k Ω 1/8W	
CONNECTOR			
CN901	YESAE364	Connector, 16P	
COILs			
L921	YESLT027	Coil	
L922	YESLT028	Coil	
SWITCHes			
SW901	YESAS121	Switch	
SW902-917	K0H1BA000445	Switch	
LCD			
LCD901	YESXDCM012	LCD	
CFL			
CFL901	A2CA00000044	CFL	
INSTALLATION PARTS			
	YESAJ01224	Power Connector	

Ref. No.	Part No.	Part Name & Description	Remarks
	YESFZ259	Remote Control Unit	
	CR2025/1F	Lithium Battery	⚠
	YESFZ257	Screws Kit	
	YEFA131839	Removable Face Plate Case	
	YESFX021127	Rear Support Strap	
	YESFX018006	Mounting Collar	
	YEFC05605	Trim Plate	
MECHANICAL PARTS			
MISCELLANEOUS			
ANT51	YM104C7008A	Antenna Receptacle	
AT1-3	YESAT01028	Earth Terminal	
2	YESFA07011	Front Plate	
3	YESFA08026	Rear Plate	
4	YESFA03056	Top Cover	
5	YESFF01083	Heat Sink	
6	YESFX007025	Cord Clamper	
7	YESFX005133	Plate Spring L	
8	YESFX005134	Plate Spring R	
10	YESFR04010	RCA Cap	
20	YESAP325	Main PCB Ass'y	RTL
30	YESFX001028	Transparent Plate, CD	
31	YESFC02121	Rear Cover, Escutcheon	
32	YESFC02130	Fornt Cover, Escutcheon	
33	YESFA13015	Flexible PCB Case	
34	YESFS01086	Dust Felt	
35	YESFS01087	Pad	
36	YEAP2879	Flexible PCB	
37	K1NZ16H00001	Connector, 16P	
40	YESSDF0132	Removable Face Plate Unit	RTL
41	YESAP326	Display PCB Ass'y	RTL
42	YESFX005131	Knob Spring	
43	YESFX001029	Transparent Plate, VOL	
44	YESFC02129	Escutheon Ass'y, Detachable	
45	YESFA13014	Back Cover, Detachable	
46	YESFE13188	Preset Button	
47	YESFE13170	Button (MUTE)	
48	YESFE13171	Button (MENU)	
49	YESFE13172	Button (DISP)	
50	YESFE13173	Button (BAND)	
51	YESFE13174	Button (CD EJECT)	
52	YESFE13175	Button (TUNE UP)	
53	YESFE13176	Button (TUNE DOWN)	
54	YESFE13177	Button (SOURCE)	
55	YESFE13178	Button (SQ)	
56	YESFE13179	Button (D/M)	
57	YESFE13180	Button (RELEASE)	
58	YESFE07010	Knob, VOL	
59	YESFX005153	Spring, Release	
60	YESFV02006	Shading Sheet (R COV)	
61	YESFV02007	Shading Sheet (SQ)	
62	YESFV02008	Shading Sheet (T DWN)	

Ref. No.	Part No.	Part Name & Description	Remarks
63	YESFV02009	Shading Sheet (VOL)	
81	YESFX999062	Drive Mechanism Ass'y	
92	YESFM01080	Laser Seal (English)	
93	YESFX007023	Style Pin	
94	YESFX021136	RCA Bracket	
95	YESFG02029	Power IC Bracket	
96	YESFX021134	Bracket, Regulator A	
100	YESJS01183	Cup Screw S 2.6*6	
101	YESJT03067	Tapping Bind Screw S Tite M3*6	
102	YESJS01179	Bind Screw 2.6*8	
103	YESJT03066	Tapping Bind Screw S Tite M2.6*5	
104	YESJS01180	Bind Screw 3*14	
105	YESJS01181	Camera Screw 2*4	
106	YESJS01184	Cup Screw SP 2*4	
107	YESJS01166	Bind Screw 3.0*6.0	
108	YESJS01182	Camera Screw 2*8	

20. EXPLODED VIEW (Unit) [CQ-C5110U]



21. CD PLAYER PARTS LIST [CQ-C5410U/CQ-C5310U]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of**

these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-05] CD Servo Block			
IC's and Transistors			
IC201	MN6627482WB	IC	
IC202	YESAM163	IC	
IC203	YESAM166	IC	
IC204	M5218AFP	IC	
IC401	YESAM176	IC	
IC402	YESAM243	IC	
IC406	YESAM171	IC	
IC409	YESAM167	IC	
IC411	YESAM178	IC	
Q101	B1BDBC000001	Transistor	
Q201	B1BDBC000001	Transistor	
Q203	YESAN060	Transistor	
Q501	YESAN072	Photo Transistor	
Q502	YESAN071	Transistor	
Q503	YESAN071	Transistor	
DIODEs			
PH501	LN57	LED	
CAPACITORs			
C101	YESCC203	Ceramic, 220pF 50WV	
C102	YESCC187	Ceramic, 0.1 μF 25WV	
C103	YESCC187	Ceramic, 0.1 μF 25WV	
C104	YESCC206	Ceramic, 0.047 μF 25WV	
C105	F1H1H2220004	Ceramic, 0.0022 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C106	YESCC207	Ceramic, 0.001 μF 50WV	
C107	YESCC206	Ceramic, 0.047 μF 25WV	
C108	YESCC204	Ceramic, 330pF 50WV	
C109	YESCC187	Ceramic, 0.1 μF 25WV	
C110	YESCC187	Ceramic, 0.1 μF 25WV	
C111	YESCC299	Ceramic, 0.022 μF 50WV	
C112	YESCC183	Ceramic, 0.0022 μF 50WV	
C113	YESCC208	Ceramic, 0.0015 μF 50WV	
C114	YESCC207	Ceramic, 0.001 μF 50WV	
C115	YESCC187	Ceramic, 0.1 μF 25WV	
C116	YESCC187	Ceramic, 0.1 μF 25WV	
C121	YESCC187	Ceramic, 0.1 μF 25WV	
C122	YESCC207	Ceramic, 0.001 μF 50WV	
C123	YESCC299	Ceramic, 0.022 μF 50WV	
C124	YESCC187	Ceramic, 0.1 μF 25WV	
C125	YESCC207	Ceramic, 0.001 μF 50WV	
C126	YESCC210	Ceramic, 0.1 μF 16WV	
C127	YESCC207	Ceramic, 0.001 μF 50WV	
C128	YESCC205	Ceramic, 0.22 μF 10WV	
C129	YESCC187	Ceramic, 0.1 μF 25WV	
C130	YESCC207	Ceramic, 0.001 μF 50WV	
C131	YESCC187	Ceramic, 0.1 μF 25WV	
C132	YESCC187	Ceramic, 0.1 μF 25WV	
C135	YESCC187	Ceramic, 0.1 μF 25WV	
C136	YESCC187	Ceramic, 0.1 μF 25WV	
C137	YESCC210	Ceramic, 0.1 μF 16WV	
C138	YESCC210	Ceramic, 0.1 μF 16WV	
C139	YESCC187	Ceramic, 0.1 μF 25WV	
C140	YESCC187	Ceramic, 0.1 μF 25WV	
C141	YESCC187	Ceramic, 0.1 μF 25WV	
C151	YESCC188	Electrolytic, 10 μF 16WV	
C152	YESCC213	Electrolytic, 22 μF 6.3WV	
C153	YESCC213	Electrolytic, 22 μF 6.3WV	
C154	YESCC215	Electrolytic, 220 μF 10WV	
C203	YESCC209	Ceramic, 0.0033 μF 50WV	
C204	YESCC209	Ceramic, 0.0033 μF 50WV	
C205	YESCC187	Ceramic, 0.1 μF 25WV	
C207	YESCC187	Ceramic, 0.1 μF 25WV	
C208	YESCC202	Ceramic, 22pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C251	YESCC215	Electrolytic, 220 μF 10WV	
C252	YESCC214	Electrolytic, 47 μF 6.3WV	
C253	YESCC215	Electrolytic, 220 μF 10WV	
C301	YESCC207	Ceramic, 0.001 μF 50WV	
C302	YESCC207	Ceramic, 0.001 μF 50WV	
C311	YESCC207	Ceramic, 0.001 μF 50WV	
C312	YESCC207	Ceramic, 0.001 μF 50WV	
C321	YESCC187	Ceramic, 0.1 μF 25WV	
C356	YESCC213	Electrolytic, 22 μF 6.3WV	
C357	YESCC214	Electrolytic, 47 μF 6.3WV	
C358	YESCC213	Electrolytic, 22 μF 6.3WV	
C359	YESCC216	Electrolytic, 100 μF 16WV	
C360	YESCC188	Electrolytic, 10 μF 16WV	
C401	YESCC187	Ceramic, 0.1 μF 25WV	
C402	YESCC187	Ceramic, 0.1 μF 25WV	
C403	YESCC187	Ceramic, 0.1 μF 25WV	
C404	YESCC187	Ceramic, 0.1 μF 25WV	
C405	YESCC187	Ceramic, 0.1 μF 25WV	
C406	YESCC187	Ceramic, 0.1 μF 25WV	
C407	YESCC187	Ceramic, 0.1 μF 25WV	
C408	YESCC187	Ceramic, 0.1 μF 25WV	
C409	YESCC187	Ceramic, 0.1 μF 25WV	
C410	YESCC187	Ceramic, 0.1 μF 25WV	
C411	YESCC187	Ceramic, 0.1 μF 25WV	
C412	YESCC187	Ceramic, 0.1 μF 25WV	
C413	YESCC187	Ceramic, 0.1 μF 25WV	
C414	YESCC187	Ceramic, 0.1 μF 25WV	
C418	YESCC187	Ceramic, 0.1 μF 25WV	
C426	YESCC187	Ceramic, 0.1 μF 25WV	
C433	YESCC210	Ceramic, 0.1 μF 16WV	
C434	YESCC210	Ceramic, 0.1 μF 16WV	
C435	YESCC187	Ceramic, 0.1 μF 25WV	
C436	YESCC187	Ceramic, 0.1 μF 25WV	
C437	YESCC210	Ceramic, 0.1 μF 16WV	
C452	YESCC188	Electrolytic, 10 μF 16WV	
C463	YESCC214	Electrolytic, 47 μF 6.3WV	
C464	YESCC214	Electrolytic, 47 μF 6.3WV	
C501	YESCC202	Ceramic, 22pF 50WV	
C551	YESCC214	Electrolytic, 47 μF 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
RESISTORs			
L302	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
L303	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
L304	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
L305	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
J501	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
J502	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
JP101	ERJ8GEY0R00V	Chip, 0 Ω 1/4W	
R101	ERJ3GEYJ4R7V	Chip, 4.7 Ω 1/10W	
R103	YESRG067	Chip, 1.5k Ω 1/10W	
R104	YESRG077	Chip, 470 Ω 1/10W	
R105	YESRG074	Chip, 2.7k Ω 1/10W	
R106	YESRG025	Chip, 10k Ω 1/10W	
R107	YESRG074	Chip, 2.7k Ω 1/10W	
R108	YESRG076	Chip, 390k Ω 1/10W	
R109	YESRG069	Chip, 150k Ω 1/10W	
R110	YESRG025	Chip, 10k Ω 1/10W	
R111	YESRG070	Chip, 18k Ω 1/10W	
R113	YESRG066	Chip, 120k Ω 1/10W	
R114	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R115	YESRG022	Chip, 2.2k Ω 1/10W	
R116	YESRG022	Chip, 2.2k Ω 1/10W	
R117	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R118	YESRG068	Chip, 15k Ω 1/10W	
R119	YESRG021	Chip, 1k Ω 1/10W	
R120	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R121	YESRG072	Chip, 220k Ω 1/10W	
R122	YESRG081	Chip, 56k Ω 1/10W	
R123	YESRG066	Chip, 120k Ω 1/10W	
R125	YESRG077	Chip, 470 Ω 1/10W	
R126	YESRG074	Chip, 2.7k Ω 1/10W	
R127	YESRG072	Chip, 220k Ω 1/10W	
R128	YESRG020	Chip, 220 Ω 1/10W	
R129	YESRG082	Chip, 6.8k Ω 1/10W	
R130	YESRG065	Chip, 1M Ω 1/10W	
R131	YESRG022	Chip, 2.2k Ω 1/10W	
R133	YESRG022	Chip, 2.2k Ω 1/10W	
R136	YESRG022	Chip, 2.2k Ω 1/10W	
R137	YESRG021	Chip, 1k Ω 1/10W	
R138	YESRG021	Chip, 1k Ω 1/10W	
R139	YESRG021	Chip, 1k Ω 1/10W	
R140	YESRG021	Chip, 1k Ω 1/10W	
R141	YESRG021	Chip, 1k Ω 1/10W	

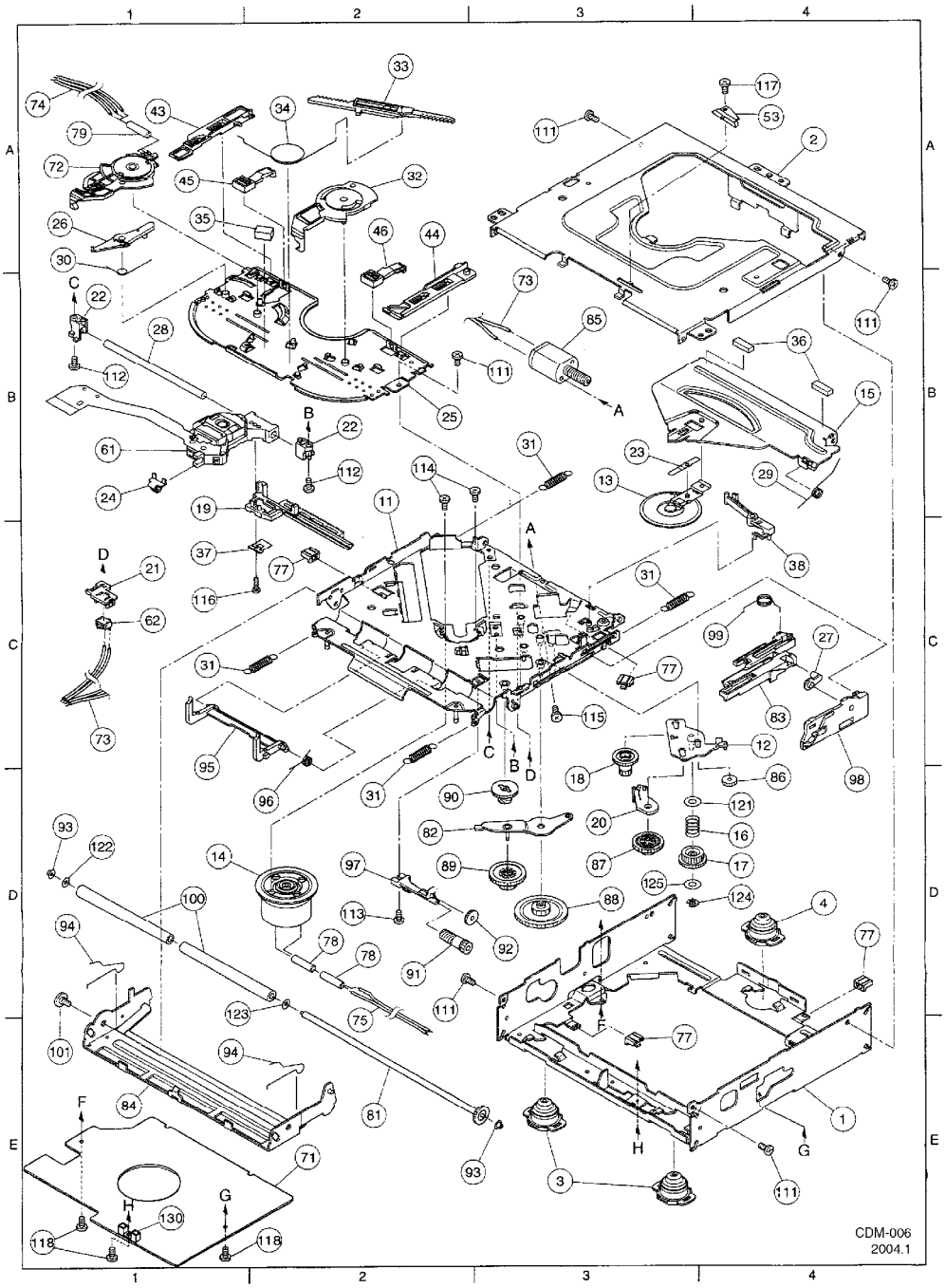
Ref. No.	Part No.	Part Name & Description	Remarks
R142	YESRG021	Chip, 1k Ω 1/10W	
R143	YESRG071	Chip, 2M Ω 1/10W	
R201	YESRG082	Chip, 6.8k Ω 1/10W	
R202	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R204	YESRG021	Chip, 1k Ω 1/10W	
R205	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R206	YESRG070	Chip, 18k Ω 1/10W	
R207	YESRG078	Chip, 5.1k Ω 1/10W	
R208	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R209	YESRG078	Chip, 5.1k Ω 1/10W	
R210	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R211	YESRG026	Chip, 27k Ω 1/10W	
R212	YESRG028	Chip, 47k Ω 1/10W	
R301	YESRG023	Chip, 3.9k Ω 1/10W	
R302	YESRG023	Chip, 3.9k Ω 1/10W	
R303	YESRG068	Chip, 15k Ω 1/10W	
R304	YESRG025	Chip, 10k Ω 1/10W	
R305	YESRG020	Chip, 220 Ω 1/10W	
R311	YESRG023	Chip, 3.9k Ω 1/10W	
R312	YESRG023	Chip, 3.9k Ω 1/10W	
R313	YESRG068	Chip, 15k Ω 1/10W	
R314	YESRG025	Chip, 10k Ω 1/10W	
R315	YESRG020	Chip, 220 Ω 1/10W	
R322	YESRG025	Chip, 10k Ω 1/10W	
R323	YESRG025	Chip, 10k Ω 1/10W	
R324	YESRG029	Chip, 100k Ω 1/10W	
R325	YESRG029	Chip, 100k Ω 1/10W	
R326	YESRG064	Chip, 100 Ω 1/10W	
R327	YESRG025	Chip, 10k Ω 1/10W	
R328	YESRG025	Chip, 10k Ω 1/10W	
R329	YESRG021	Chip, 1k Ω 1/10W	
R401	YESRG025	Chip, 10k Ω 1/10W	
R402	YESRG025	Chip, 10k Ω 1/10W	
R403	YESRG025	Chip, 10k Ω 1/10W	
R404	YESRG025	Chip, 10k Ω 1/10W	
R408	YESRG024	Chip, 4.7k Ω 1/10W	
R409	YESRG024	Chip, 4.7k Ω 1/10W	
R414	YESRG028	Chip, 47k Ω 1/10W	
R415	YESRG028	Chip, 47k Ω 1/10W	
R416	YESRG028	Chip, 47k Ω 1/10W	
R425	YESRG064	Chip, 100 Ω 1/10W	
R429	YESRG020	Chip, 220 Ω 1/10W	
R430	YESRG080	Chip, 560 Ω 1/10W	
R431	YESRG024	Chip, 4.7k Ω 1/10W	
R432	YESRG025	Chip, 10k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R434	YESRG029	Chip, 100k Ω 1/10W	
R435	YESRG024	Chip, 4.7k Ω 1/10W	
R478	YESRG079	Chip, 56 Ω 1/10W	
R480	YESRG079	Chip, 56 Ω 1/10W	
R481	YESRG024	Chip, 4.7k Ω 1/10W	
R482	YESRG022	Chip, 2.2k Ω 1/10W	
R483	YESRG022	Chip, 2.2k Ω 1/10W	
R501	YESRG020	Chip, 220 Ω 1/10W	
R502	YESRG081	Chip, 56k Ω 1/10W	
R503	YESRG025	Chip, 10k Ω 1/10W	
R504	YESRG075	Chip, 3.3k Ω 1/10W	
R505	YESRG068	Chip, 15k Ω 1/10W	
R506	YESRG028	Chip, 47k Ω 1/10W	
CONNECTORs			
CN101	YESAE345	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L401	YESLQ014	Coil	
L402	YESLQ014	Coil	
L403	YESLQ014	Coil	
L301	YESLQ011	Coil	
R428	YESLQ025	Inductor	
CRYSTAL			
X401	YESXL018	Crystal	
RESITOR NETWORKs			
RA401	YESXA003	Resistor Network, 56 ohms * 4	
RA402	YESXA003	Resistor Network, 56 ohms * 4	
RA403	YESXA003	Resistor Network, 56 ohms * 4	
RA405	YESXA003	Resistor Network, 56 ohms * 4	
RA406	YESXA003	Resistor Network, 56 ohms * 4	
RA407	YESXA003	Resistor Network, 56 ohms * 4	
RA408	YESXA003	Resistor Network, 56 ohms * 4	
RA409	YESXA003	Resistor Network, 56 ohms * 4	
RA410	YESXA003	Resistor Network, 56 ohms * 4	
RA413	YESXA003	Resistor Network, 56 ohms * 4	
RA412	YESXA002	Resistor Network, 100 ohms * 4	
RA414	YESXA002	Resistor Network, 100 ohms * 4	
Mechanical Parts			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	

Ref. No.	Part No.	Part Name & Description	Remarks
4	YERFS04004	Damper R	
11	YESFX046138	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01041	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
53	YESFX046145	Optical Leader	
61	YESSZCDM002	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP328	Servo PCB Ass'y	RTL
72	YERAS0002	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
75	YESAJ07016	Spindle Motor Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube Spindle Motor	
79	YESFX024022	Wire Tube Mode Switch	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01040	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	

Ref. No.	Part No.	Part Name & Description	Remarks
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YERFW04004	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
117	YESJS01170	Screw 1.7*2.5	
118	YESJS01148	Screw 2*4	
121	YERJW01001	P Washer 3.5*8*0.3	
122	YERJW01002	HL Washer 1.85*5*0.13	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	P Washer 2.1*4*0.13	
130	YESFX014009	Sensor Holder	

22. EXPLODED VIEW (CD Deck) [CQ-C5410U/CQ-C5310U]



23. CD PLAYER PARTS LIST / [CQ-C5210U/CQ-C5110U]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of**

these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-07] CD Servo Block			
IC's and TRANSISTORs			
IC1	YESAM148	IC	
IC4	YESAM226	IC	
Q2	B1BDBC000001	Transistor	
Q3	PN147	Transistor	
Q4	YESAN071	Transistor	
DIODE			
D2	YESAD093	Diode	
D3	LN57	LED	
CAPACITORs			
C3	YESCC180	Ceramic, 8pF 50WV	
C4	YESCC181	Ceramic, 27pF 50WV	
C5	YESCC179	Ceramic, 4pF 50WV	
C6	YESCC187	Ceramic, 0.1 μF 25WV	
C7	YESCC187	Ceramic, 0.1 μF 25WV	
C8	YECUZ1H472KX	Ceramic, 4700pF 50WV	
C9	YESCC187	Ceramic, 0.1 μF 25WV	
C10	YESCC187	Ceramic, 0.1 μF 25WV	
C11	YESCC187	Ceramic, 0.1 μF 25WV	
C12	YESCC187	Ceramic, 0.1 μF 25WV	
C16	YESCC195	Ceramic, 0.1 μF 50WV	
C17	YESCC187	Ceramic, 0.1 μF 25WV	
C19	YESCC187	Ceramic, 0.1 μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C20	YESCC185	Ceramic, 0.01 μF 50WV	
C21	YESCC185	Ceramic, 0.01 μF 50WV	
C24	YESCC188	Electrolytic, 10 μF 16WV	
C25	YESCC299	Ceramic, 0.022 μF 50WV	
C26	YESCC183	Ceramic, 0.0022 μF 50WV	
C27	YESCC183	Ceramic, 0.0022 μF 50WV	
C28	YESCC181	Ceramic, 27pF 50WV	
C30	YESCC182	Ceramic, 56pF 50WV	
C31	YESCC181	Ceramic, 27pF 50WV	
C32	YESCC188	Electrolytic, 10 μF 16WV	
C34	YESCC195	Ceramic, 0.1 μF 50WV	
C35	YESCC188	Electrolytic, 10 μF 16WV	
C38	YESCC189	Electrolytic, 100 μF 10WV	
C39	YESCC188	Electrolytic, 10 μF 16WV	
C40	YESCC189	Electrolytic, 100 μF 10WV	
C45	YESCC195	Ceramic, 0.1 μF 50WV	
C46	YESCC189	Electrolytic, 100 μF 10WV	
C47	YESCC195	Ceramic, 0.1 μF 50WV	
C51	YESCC194	Ceramic, 0.01 μF 250WV	
C52	YESCC185	Ceramic, 0.01 μF 50WV	
C53	YESCC194	Ceramic, 0.01 μF 250WV	
RESISTORs			
J101	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J102	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J103	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J104	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J105	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J106	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J107	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J108	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J109	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J110	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J111	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J112	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J113	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J114	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J115	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J116	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J117	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J118	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J119	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J120	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J121	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J122	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J123	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J124	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J125	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J126	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J127	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J128	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J129	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J130	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J131	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J132	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J133	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J134	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J135	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J136	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J137	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J138	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J139	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J140	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J142	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J143	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J144	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J145	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J146	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J147	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J148	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J149	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J150	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J151	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J152	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J153	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J154	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J155	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J156	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J157	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J158	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J159	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J160	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J161	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J162	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J163	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J164	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J165	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	

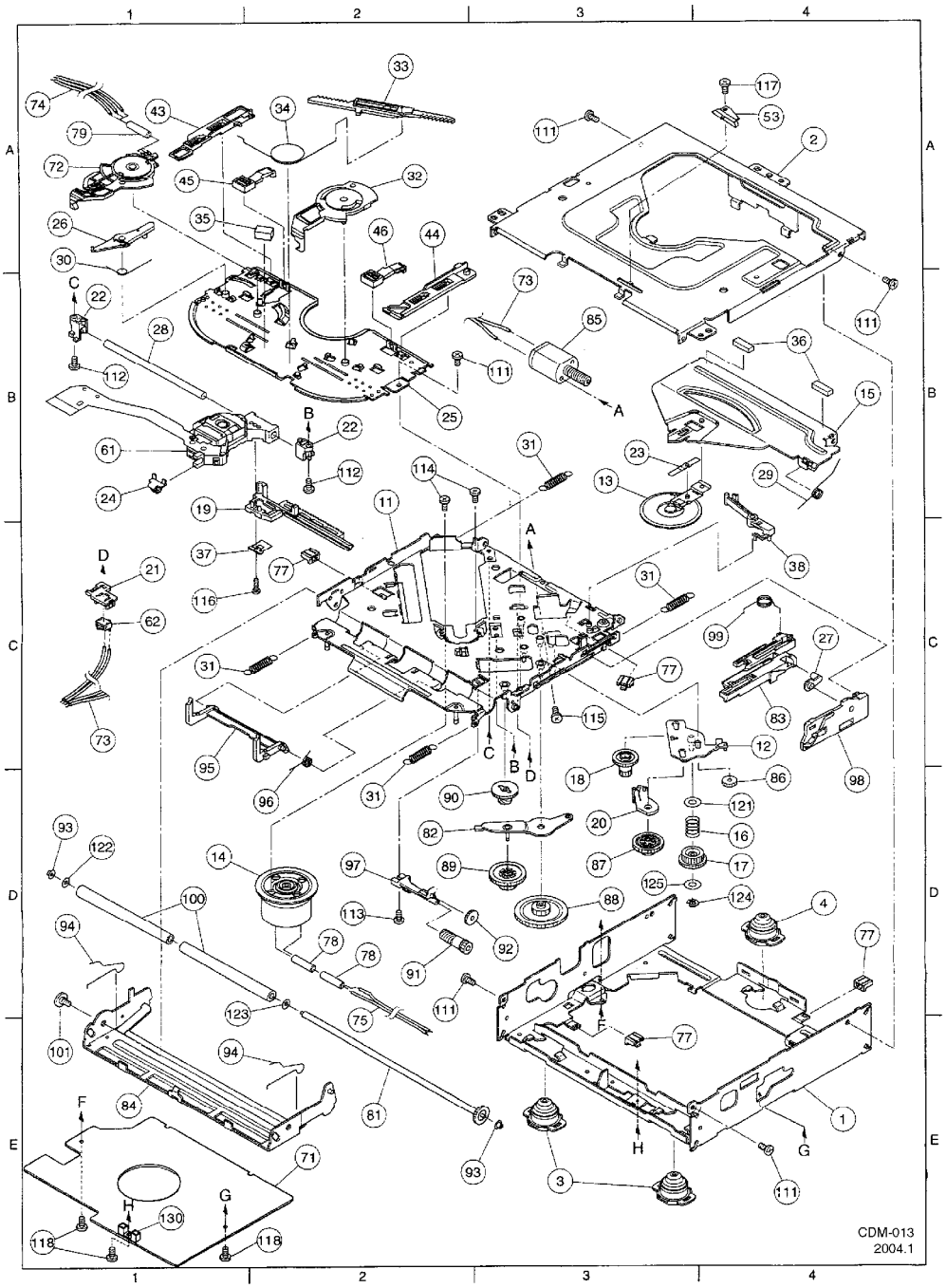
Ref. No.	Part No.	Part Name & Description	Remarks
J166	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J167	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J168	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J169	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J170	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J171	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J172	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J173	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J177	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J178	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J179	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J180	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J181	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J182	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J183	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J184	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J185	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R1	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R2	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R8	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R10	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R12	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R13	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R14	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R15	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R16	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R18	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R20	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R21	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R22	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R27	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R28	ERJ8GEYJ104V	Chip, 100k Ω 1/4W	
R30	ERJ3GEYJ220V	Chip, 22 Ω 1/16W	
R34	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R37	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R39	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R40	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R41	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R46	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R47	ERJ8GEYJ473V	Chip, 47k Ω 1/4W	
R48	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R51	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R52	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R53	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R54	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R55	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R56	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R57	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R58	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R59	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R60	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R61	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R62	ERJ8GEYJ102V	Chip, 1k Ω 1/4W	
CRYSTAL			
X1	YESXL018	Ceramic Resonator	
COIL			
L1	YESLQ011	Coil	
CONNECTORs			
CN1	YESAE341	Connector	
CN2	YESAE350	FFC/FPC Connector	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFX046138	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01041	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	

Ref. No.	Part No.	Part Name & Description	Remarks
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
53	YESFX046145	Optical Leader	
61	YESSZCDM002	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP329	Servo PCB Ass'y	RTL
72	YERAS0002	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
75	YESAJ07016	Spindle Motor Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube Spindle Motor	
79	YESFX024022	Wire Tube Mode Switch	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01040	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YERFW04004	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
117	YESJS01170	Screw 1.7*2.5	
118	YESJS01148	Screw 2*4	
121	YERJW01001	P Washer 3.5*8*0.3	
122	YERJW01002	HL Washer 1.85*5*0.13	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	P Washer 2.1*4*0.13	
130	YESFX014009	Sensor Holder	

Ref. No.	Part No.	Part Name & Description	Remarks

24. EXPLODED VIEW (CD Deck) [CQ-C5210U/CQ-C5110U]



25. WIRING DIAGRAM

25.1. Display Block

25.2. Main Block (Top View)
25.3. Main Block (Bottom View)
25.4. CD Servo Block (Top View) [CQ-C5410U/CQ-C5310U]
25.5. CD Servo Block (Bottom View) [CQ-C5410U/CQ-C5310U]
25.6. CD Servo Block [CQ-C5210U/CQ-C5110U]
26. SCHEMATIC DIAGRAM
26.1. Main Block [CQ-C5410U/C5310U]
26.2. Main Block [CQ-C5210U/C5110U]
26.3. Display Block
26.4. CD Servo Block -1 [CQ-5410U/CQ-C5310U]
26.5. CD Servo Block -2 [CQ-C5410U/CQ-C5310U]
26.6. CD Servo Block [CQ-C5210U/CQ-C5110U]
27. BLOCK DIAGRAM
27.1. Main/Display Block [CQ-C5410U/CQ-C5310U]
27.2. Main/Display Block [CQ-C5210U/CQ-C5110U]
27.3. CD Servo Block [CQ-C5410U/CQ-C5310U]
27.4. CD Servo Block [CQ-C5210U/CQ-C5110U]
28. SCHEMATIC DIAGRAM for Printing with Letter Size
28.1. Main Block [CQ-C5410U/C5310U] (Left Side)
28.2. Main Block [CQ-C5410U/C5310U] (Right Side)
28.3. Main Block [CQ-C5210U/C5110U] (Left Side)
28.4. Main Block [CQ-C5210U/C5110U] (Right Side)
28.5. Display Block (Left Side)
28.6. Display Block (Right Side)

28.7. CD Servo Block -1 [CQ-C5410U/C5310U] (Left Side)

28.8. CD Servo Block -1 [CQ-C5410U/C5310U] (Right Side)

28.9. CD Servo Block -2 [CQ-C5410U/C5310U] (Left Side)

28.10. CD Servo Block -2 [CQ-C5410U/C5310U] (Right Side)

28.11. CD Servo Block [CQ-C5210U/C5110U] (Left Side)

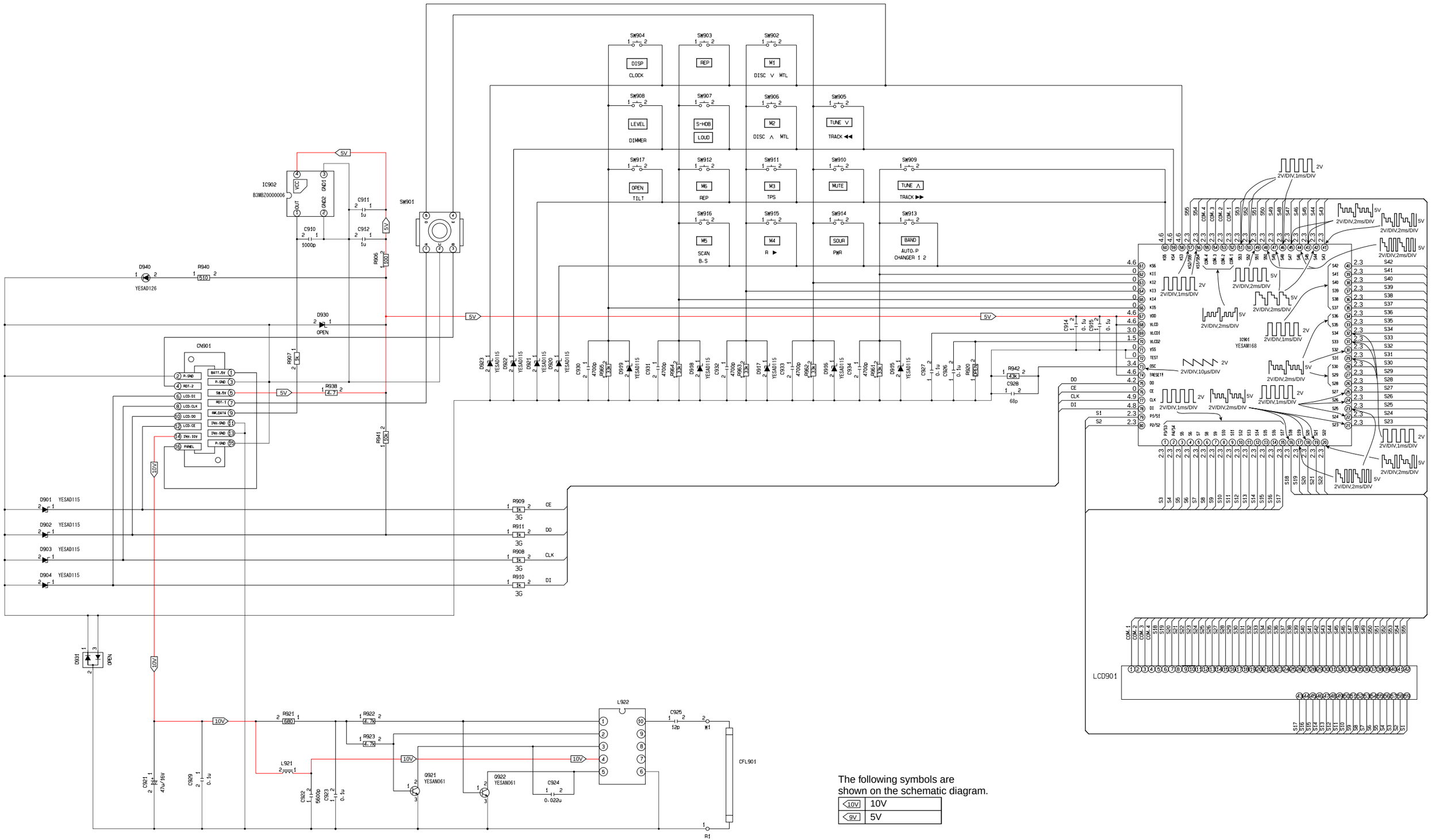
28.12. CD Servo Block [CQ-C5210U/C5110U] (Right Side)

Traverse Motor
Spindle Motor
Optical Pick-up Ass'y
To Optical Pick-up
IC4 YESAM226
IC1 YESAM148
2V/DIV,20μS/DIV
2V/DIV,10μS/DIV
2V/DIV,5mS/DIV
2V/DIV,20mS/DIV
2V/DIV,0.5μS/DIV
1V/DIV,5μS/DIV
D2 YESAD093
Q2 B1BDBC000001
Q3 PN147
Q4 2SB624
D3 LN57
X1
LN10
LN11
L1
JP1
JP2
To 7205-02-11 CN651

The following symbols are shown on the schematic diagram.

7V	7V
5V	5V
⇦	AUDIO(L,R)

CDM-013
CQ-C5210U/C5110U CD Servo Block



The following symbols are shown on the schematic diagram.

10V	10V
9V	5V

		✱2 R345/R261/R361/R265/R365	✱3 L295/L395/L296/L396/R248/R348	✱4 D770/D771
C5210U	5V-PREOUT	56 ohms	4.7 ms	MA721TX
C5110U	2.5V_PREOUT	180 ohms	18 ohms	OPEN

✱1	R221/R321
5V-PREOUT	120k
2.5V_PREOUT	56k

✱5	R609	R610
C5210U	OPEN	47k
C5110U	47k	OPEN

The following symbols are shown on the schematic diagram.

	+B
	Acc
10V	10V
9V	9V
8V	8V
5V	5V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)

IC601

	FM	AM	CD		FM	AM	CD		FM	AM	CD		FM	AM	CD
1	5.2	5.2	5.2	26	0	0	0	51	-	-	-	76	-	-	-
2	0	0	0	27	0	0	0	52	5.0	5.0	5.0	77	-	-	-
3	-	-	-	28	4.9	4.9	0.4	53	5.0	5.0	5.0	78	0	0	0
4	5.1	5.1	5.1	29	5.0	5.0	5.0	54	0	0	0	79	0	0	0
5	5.1	5.0	5.1	30	3.3	3.3	3.3	55	-	-	-	80	2.1	2.1	2.1
6	5.0	5.0	5.0	31	-	-	-	56	5.0	4.9	4.9	81	2.5	2.5	2.5
7	5.0	0	5.0	32	5.1	5.1	5.1	57	5.4	5.4	5.4	82	5.1	5.1	5.1
8	-	-	-	33	5.1	5.1	5.1	58	5.0	5.0	5.0	83	0	0	0
9	0	0	0	34	0	0	0	59	0	0	0	84	5.1	5.1	5.1
10	5.1	5.1	5.1	35	0	0	0	60	5.0	5.0	0	85	0	0	0
11	0	0	0	36	0.3	0	0.3	61	0	0	0	86	5.1	5.1	5.1
12	5.2	5.2	5.2	37	0	0	0	62	-	0	0	87	0	0	0
13	5.0	5.0	5.0	38	0	0	0	63	5.0	5.0	5.0	88	5.1	5.1	5.1
14	0	0	0	39	0	0	0	64	5.1	5.1	5.1	89	-	-	-
15	5.0	5.0	0	40	0	0	0	65	0	0	0	90	0	0	0
16	4.9	4.9	4.9	41	0	0	5.1	66	-	-	-	91	0	0	0
17	4.9	4.9	4.9	42	-	-	-	67	4.9	4.9	4.9	92	0	0	0
18	4.2	4.2	4.2	43	-	-	-	68	-	-	-	93	0	0	0
19	1.4	1.4	1.4	44	-	-	-	69	0	0	0	94	0	0	0
20	4.9	4.9	4.9	45	-	-	-	70	-	-	-	95	0	0	0
21	5.0	5.0	5.0	46	-	-	-	71	0	0	0	96	4.9	5.0	5.0
22	0	0	0	47	5.2	5.2	5.2	72	5.0	4.9	4.9	97	4.9	4.9	5.0
23	0	0	0	48	5.1	5.1	5.1	73	5.1	5.0	5.0	98	0	0	0
24	0	0	0	49	0	0	0	74	5.1	5.1	5.1	99	5.3	5.3	5.3
25	3.2	3.2	3.2	50	5.1	5.1	5.1	75	5.1	5.1	5.1	100	0	0	0

		✻2 R345/R261/R361/R265/R365	✻3 L295/L395/L296/L396/R248/R348	✻4 D770/D771
C5410	5V-PREOUT	56 ohms	4.7 ohms	MA721TX
C5310	2.5V_PREOUT	180 ohms	18 ohms	OPEN

✻1	R221/R321
5V-PREOUT	120k
2.5V_PREOUT	56k

✻5	R609	R610
C5410U	OPEN	47k
C5310U	47k	OPEN

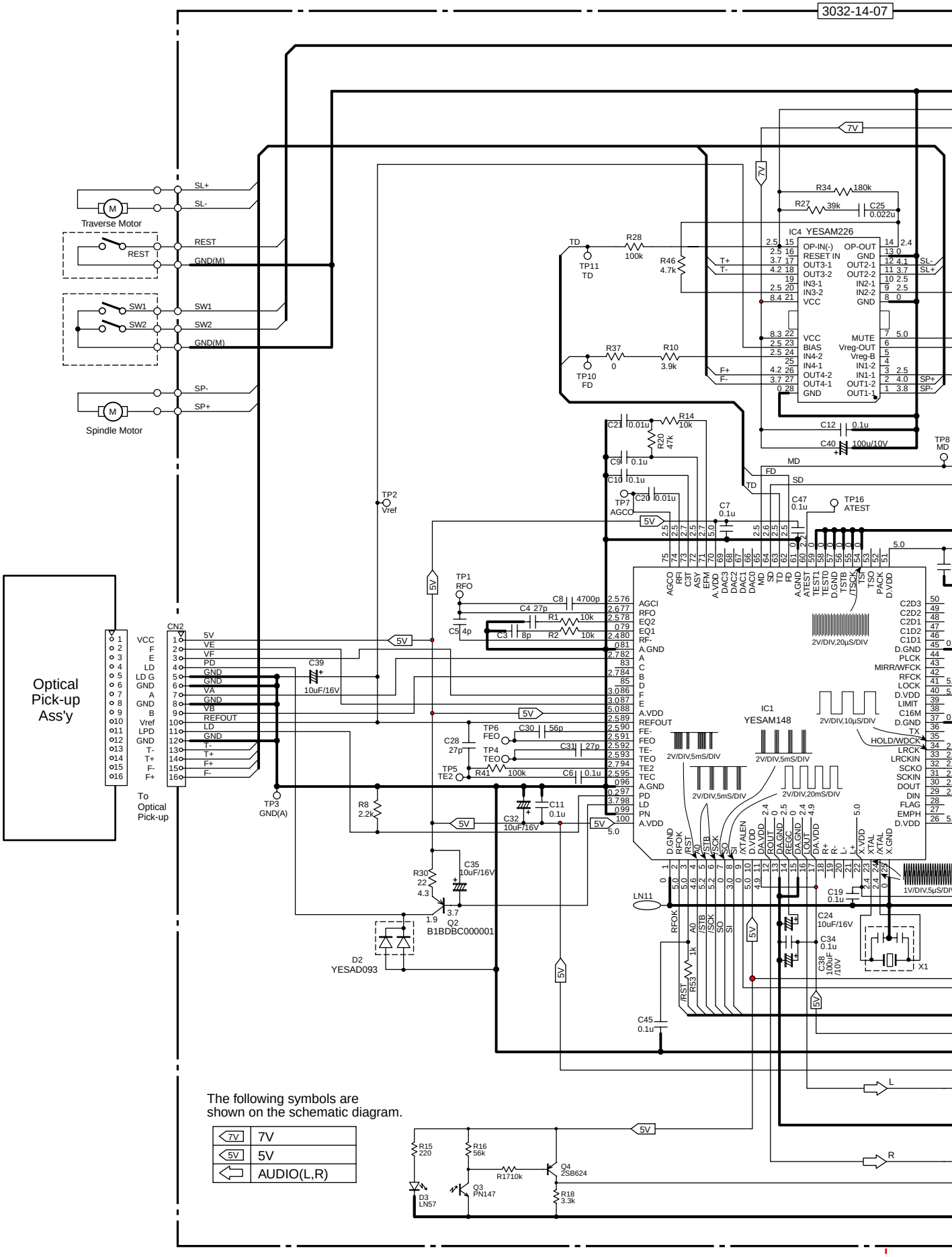
IC601

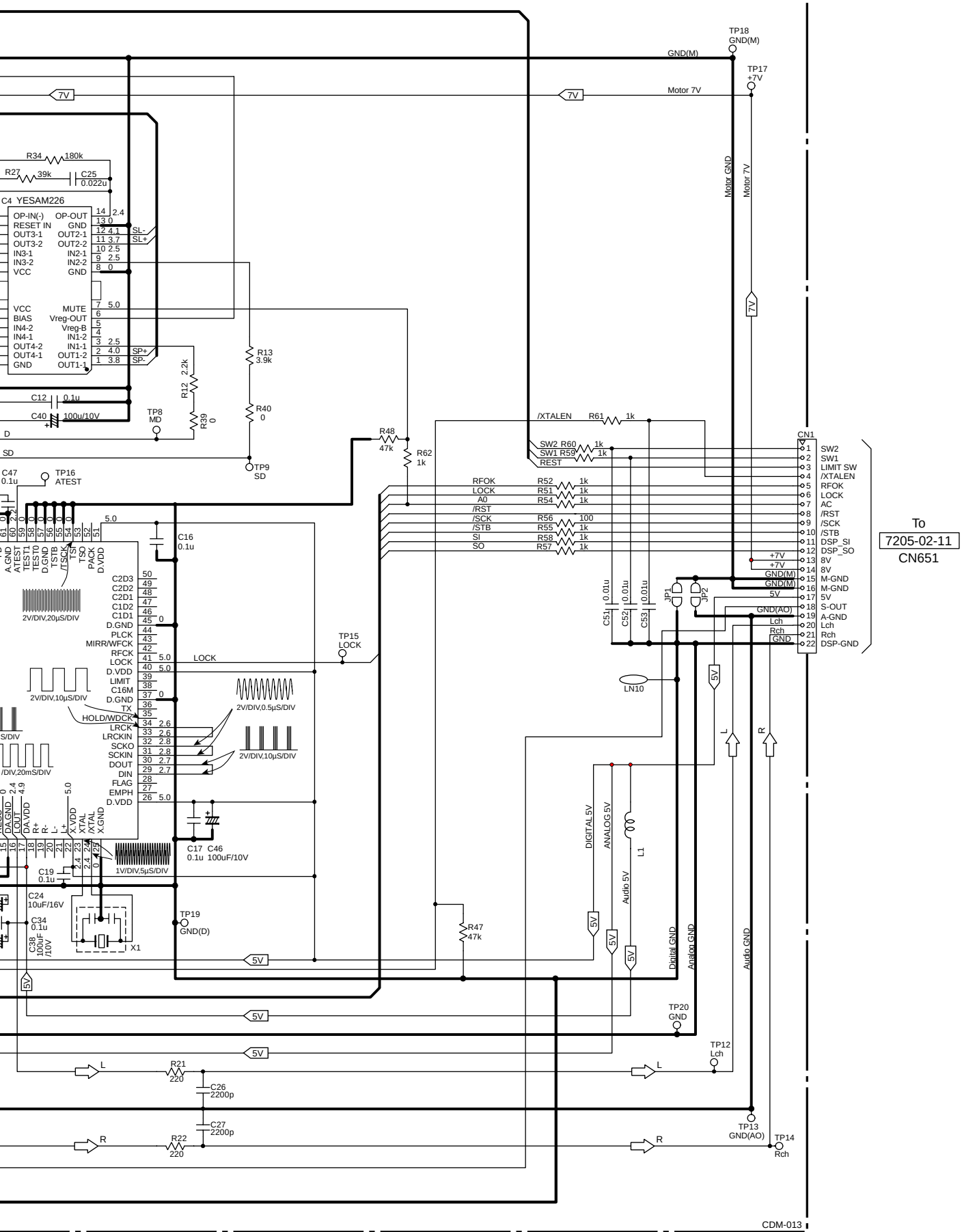
	FM	AM	CD		FM	AM	CD		FM	AM	CD		FM	AM	CD
1	5.2	5.2	5.2	26	0	0	0	51	-	-	-	76	-	-	-
2	0	0	0	27	0	0	0	52	5.0	5.0	5.0	77	-	-	-
3	-	-	-	28	4.9	4.9	0.4	53	5.0	5.0	5.0	78	0	0	0
4	5.1	5.1	5.1	29	5.0	5.0	5.0	54	0	0	0	79	0	0	0
5	5.1	5.0	5.1	30	3.3	3.3	3.3	55	-	-	-	80	2.1	2.1	2.1
6	5.0	5.0	5.0	31	-	-	-	56	5.0	4.9	4.9	81	2.5	2.5	2.5
7	5.0	0	5.0	32	5.1	5.1	5.1	57	5.4	5.4	5.4	82	5.1	5.1	5.1
8	-	-	-	33	5.1	5.1	5.1	58	5.0	5.0	5.0	83	0	0	0
9	0	0	0	34	0	0	0	59	0	0	0	84	5.1	5.1	5.1
10	5.1	5.1	5.1	35	0	0	0	60	5.0	5.0	0	85	0	0	0
11	0	0	0	36	0.3	0	0.3	61	0	0	0	86	5.1	5.1	5.1
12	5.2	5.2	5.2	37	0	0	0	62	0	0	0	87	0	0	0
13	5.0	5.0	5.0	38	0	0	0	63	5.0	5.0	5.0	88	5.1	5.1	5.1
14	0	0	0	39	0	0	0	64	5.1	5.1	5.1	89	-	-	-
15	5.0	5.0	0	40	0	0	0	65	0	0	0	90	0	0	0
16	4.9	4.9	4.9	41	0	0	5.1	66	-	-	-	91	0	0	0
17	4.9	4.9	4.9	42	-	-	-	67	4.9	4.9	4.9	92	0	0	0
18	4.2	4.2	4.2	43	-	-	-	68	-	-	-	93	0	0	0
19	1.4	1.4	1.4	44	-	-	-	69	0	0	0	94	0	0	0
20	4.9	4.9	4.9	45	-	-	-	70	-	-	-	95	0	0	0
21	5.0	5.0	5.0	46	-	-	-	71	0	0	0	96	4.9	5.0	5.0
22	0	0	0	47	5.2	5.2	5.2	72	5.0	4.9	4.9	97	4.9	4.9	5.0
23	0	0	0	48	5.1	5.1	5.1	73	5.1	5.0	5.0	98	0	0	0
24	0	0	0	49	0	0	0	74	5.1	5.1	5.1	99	5.3	5.3	5.3
25	3.2	3.2	3.2	50	5.1	5.1	5.1	75	5.1	5.1	5.1	100	0	0	0

The following symbols are shown on the schematic diagram.

	+B
	Acc
10V	10V
9V	9V
8V	8V
5V	5V
3.3V	3.3V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)

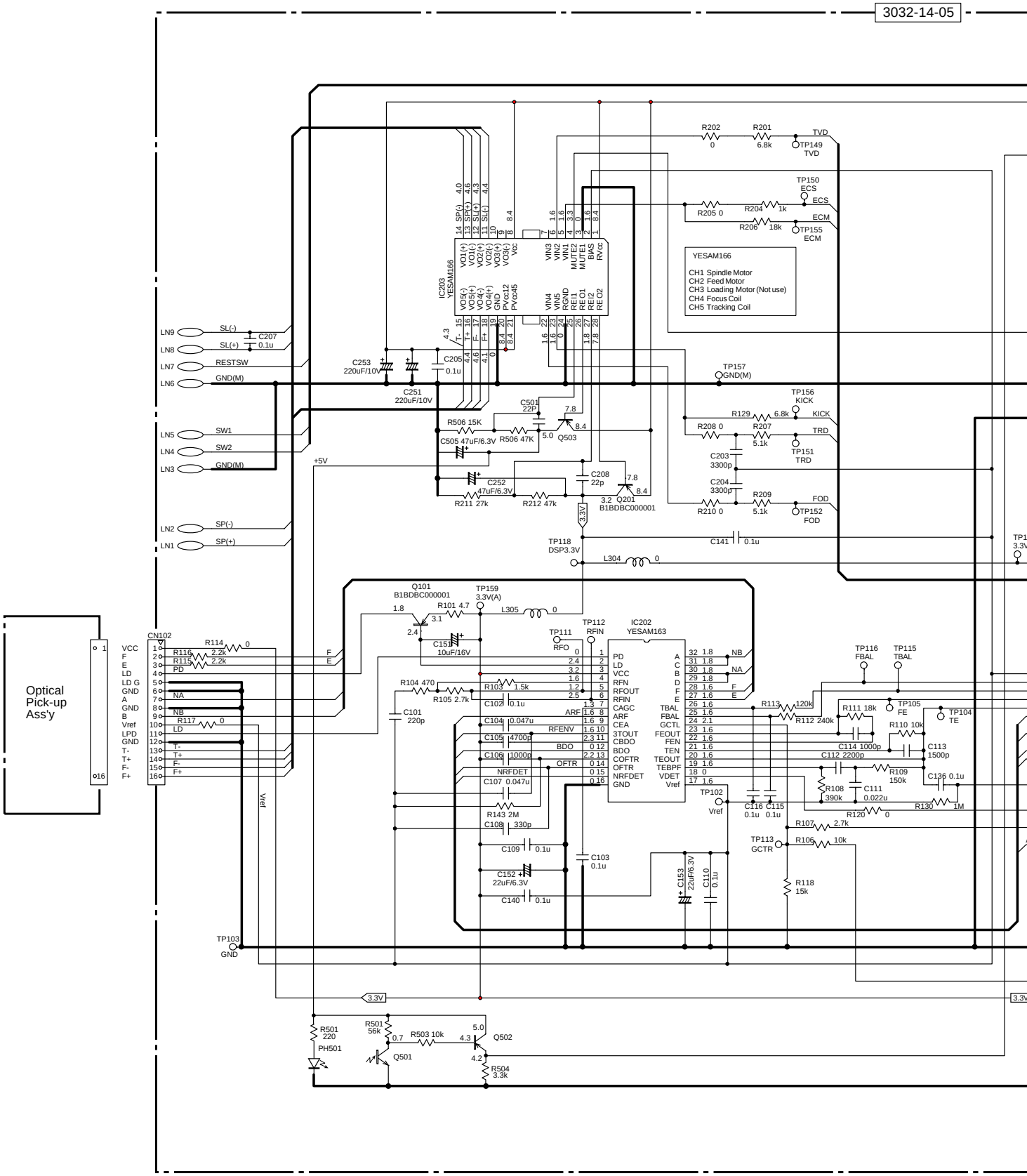
26.6. CD Servo Block [CQ-C5210U/CQ-C5110U]

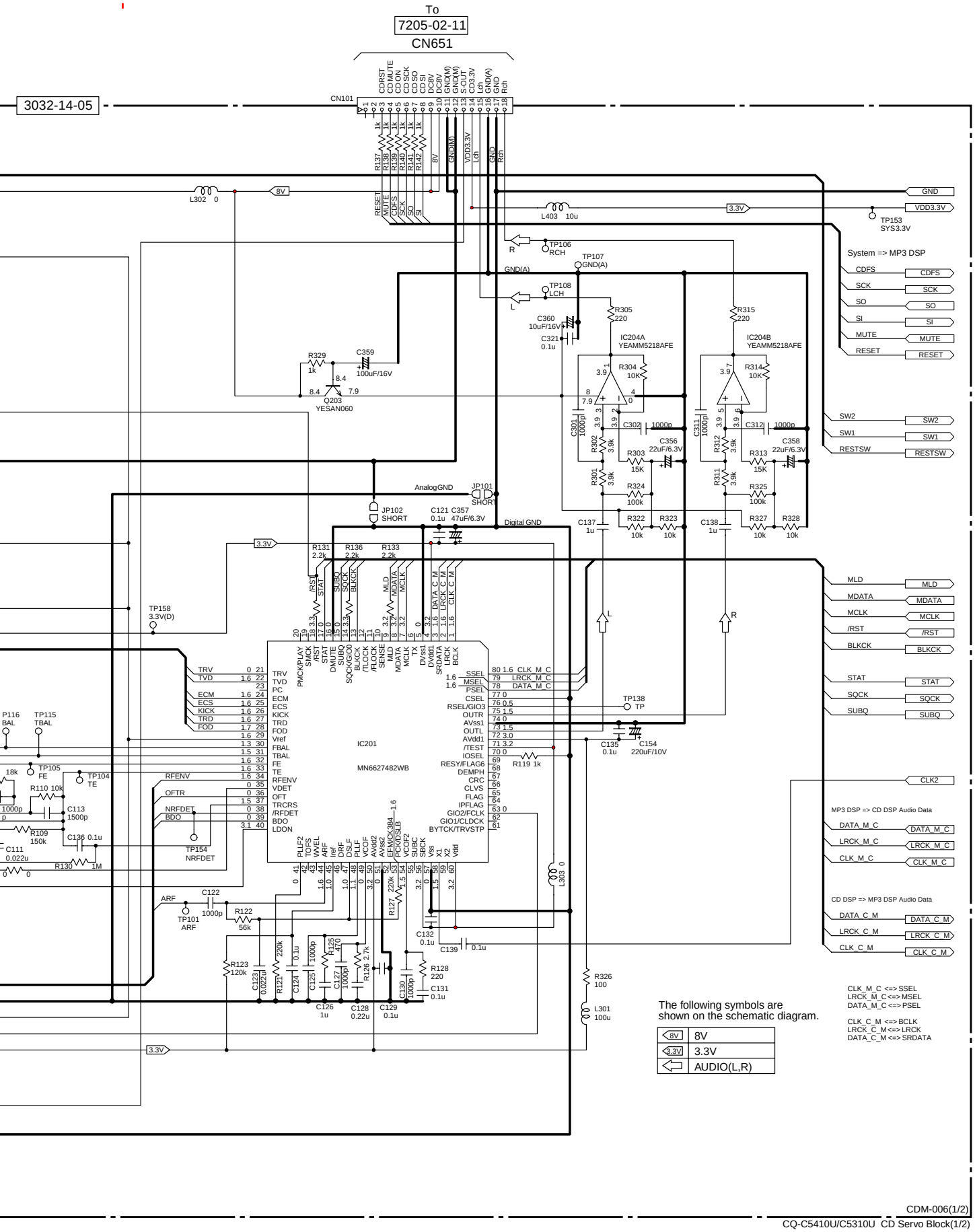




CQ-C5210U/C5110U CD Servo Block

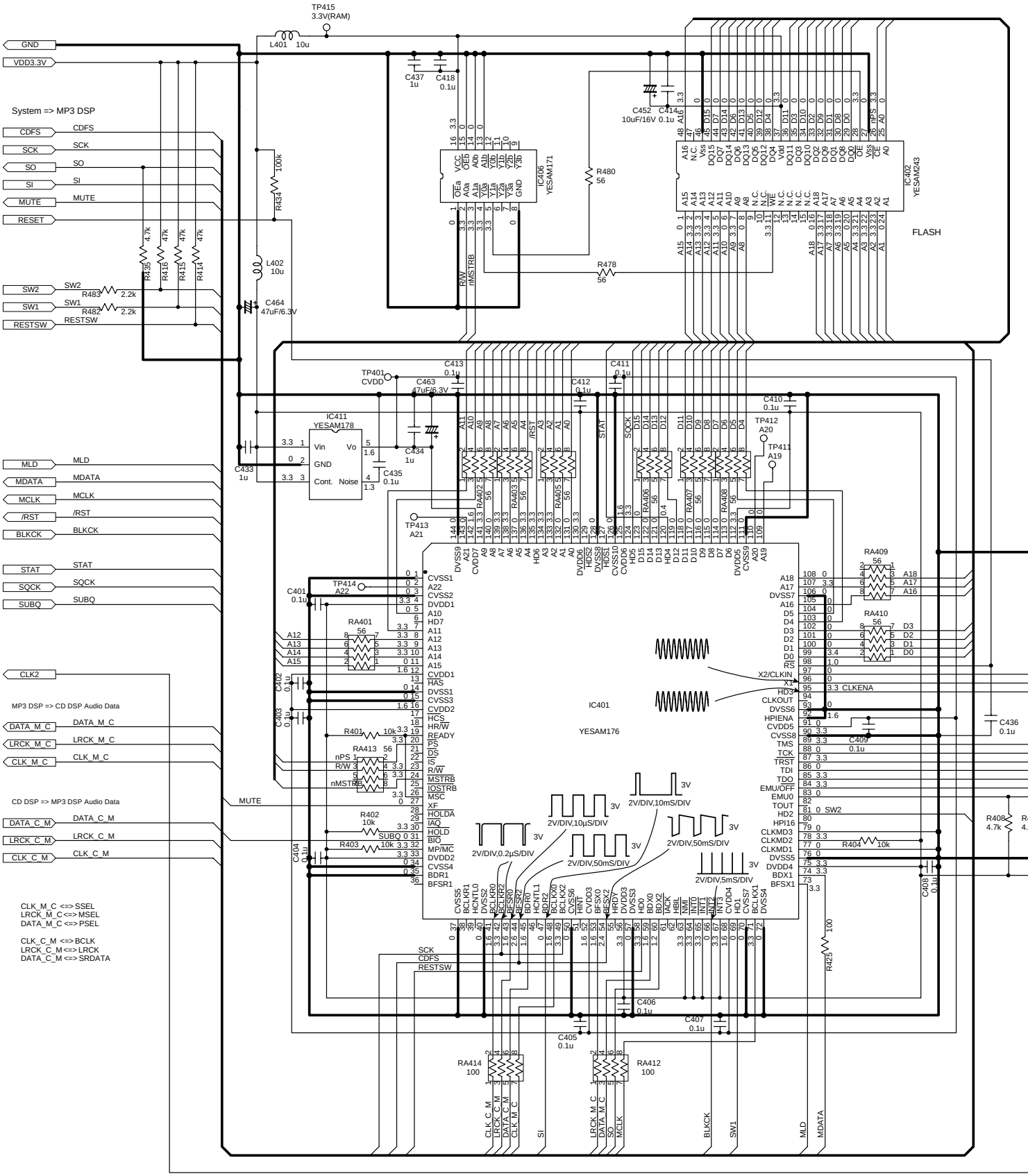
26.4. CD Servo Block -1 [CQ-5410U/CQ-C5310U]



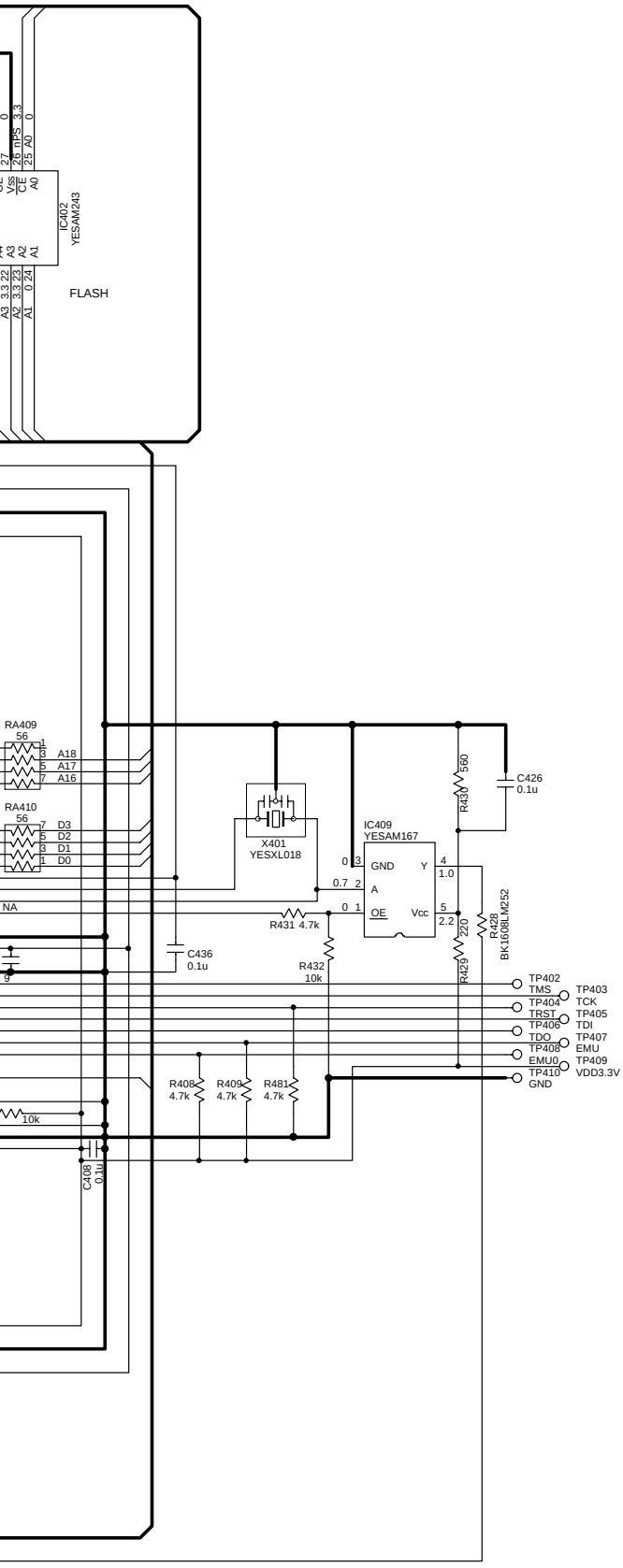

To
7205-02-11
CN651
3032-14-05
CN101
CDRST
CD MUTE
CD DIN
CD SCK
CD SO
CD SI
DC5V
DC8V
GND(M)
S-OUT
VDD3.3V
Lch
GND(A)
GND
Rch
R137 1k
R139 1k
R138 1k
R140 1k
R141 1k
R142 1k
8V
GND(M)
VDD3.3V
Lch
GND
Rch
RESET
MUTE
CDFS
SCK
SO
SI
L302 0
8V
L403 10u
3.3V
GND
VDD3.3V
TP153
SYS3.3V
TP106
RCH
R
TP107
GND(A)
TP108
LCH
L
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
C360
10uF/16V
C321
0.1u
R305
220
R315
220
IC204A
YEAMM5218AFE
IC204B
YEAMM5218AFE
R304
10K
R314
10K
R329
1k
C359
100uF/16V
Q203
YESAN060
C301
1000p
C302
1000p
C311
1000p
C312
1000p
R302
3.9k
R303
15K
C356
22uF/6.3V
R312
3.9k
R313
15K
C358
22uF/6.3V
R301
3.9k
R324
100k
R311
3.9k
R325
100k
SW2
SW1
RESTSW
AnalogGND
JP101
SHORT
JP102
SHORT
C121
0.1u
C357
47uF/6.3V
Digital GND
C137
1u
R322
10k
R323
10k
C138
1u
R327
10k
R328
10k
R131
2.2k
R136
2.2k
R133
2.2k
/RST
STAT
SUBQ
SQCK
BLKCK
MLD
MDATA
MCLK
DATA_C_M
LRCK_C_M
CLK_C_M
TP158
3.3V(D)
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
IC201
MN6627482WB
TRV
TVD
PC
ECM
ECS
KICK
TRD
FOD
Vref
FBAL
TBAL
FE
TE
RFENV
VDET
OFT
TRCRS
/RFDET
BDO
LDON
SSEL
MSEL
PSEL
CSEL
RSEL/GIO3
OUTR
AVss1
OUTL
AVdd1
/TEST
IOSEL
RESY/FLAG6
DEMPH
CRC
CLVS
FLAG
IPFLAG
GIO2/FCLK
GIO1/CLDCK
BYTCK/TRVSTP
CLK_M_C
LRCK_M_C
DATA_M_C
TP138
TP
C135
0.1u
C154
220uF/10V
R119 1k
P116
BAL
TP115
TBAL
TP105
FE
TP104
TE
R110 10k
C113
1500p
R109
150k
C136 0.1u
C111
0.022u
R130
1M
TP154
NRFDET
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
L303 0
ARF
TP101
ARF
C122
1000p
R122
56k
R127 220k
C132
0.1u
C139
0.1u
R123
120k
C123
0.022u
R121
220k
C124
0.1u
C125
1000p
R125
470
C127
1000p
R126
2.7k
R128
220
C130
1000p
C131
0.1u
C126
1u
C128
0.22u
C129
0.1u
R326
100
L301
100u
The following symbols are
shown on the schematic diagram.
8V
8V
3.3V
3.3V
AUDIO(L,R)
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA
CDM-006(1/2)
CQ-C5410U/C5310U CD Servo Block(1/2)

26.5. CD Servo Block -2 [CQ-C5410U/CQ-C5310U]

3032-14-05



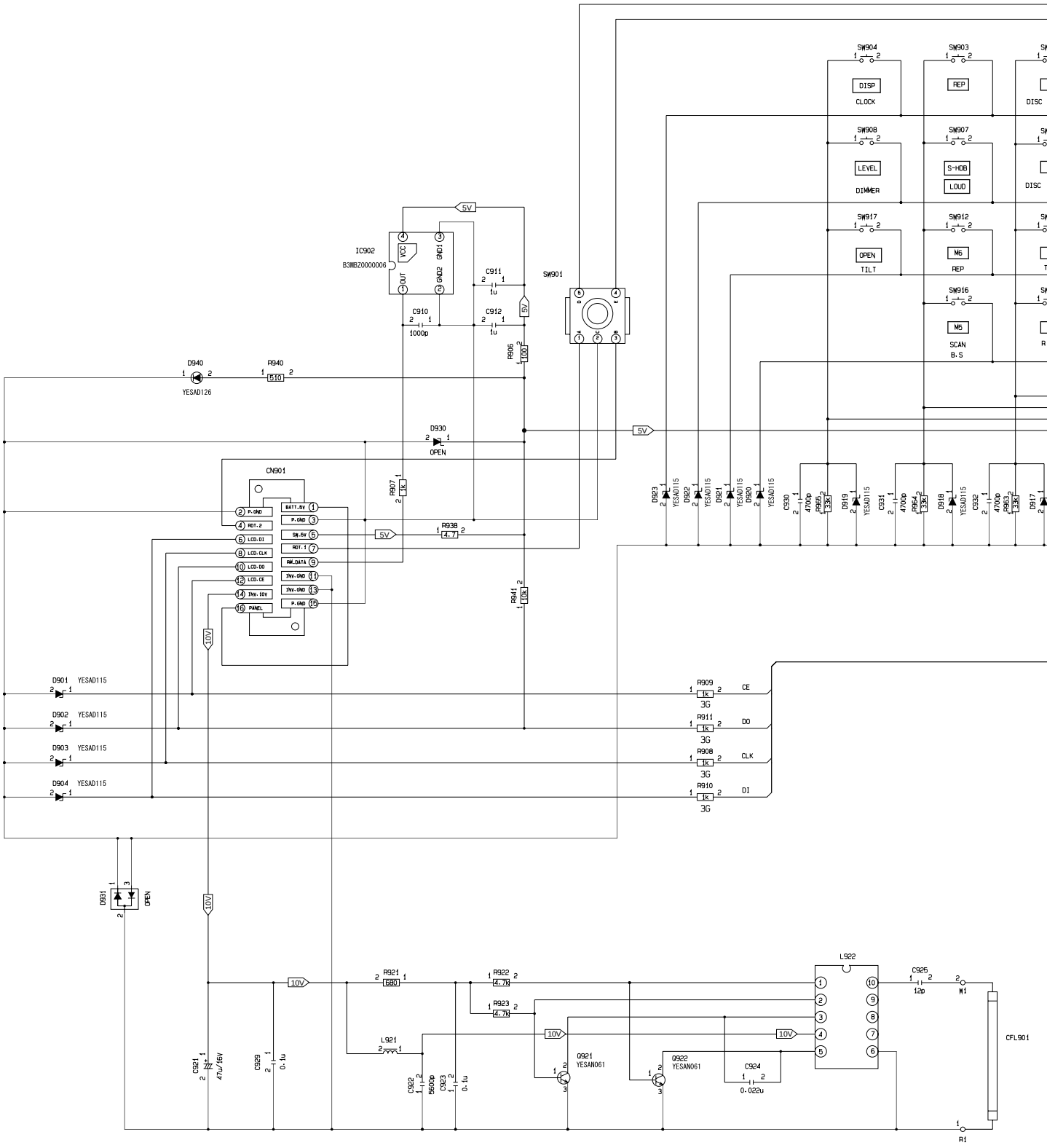
4-05



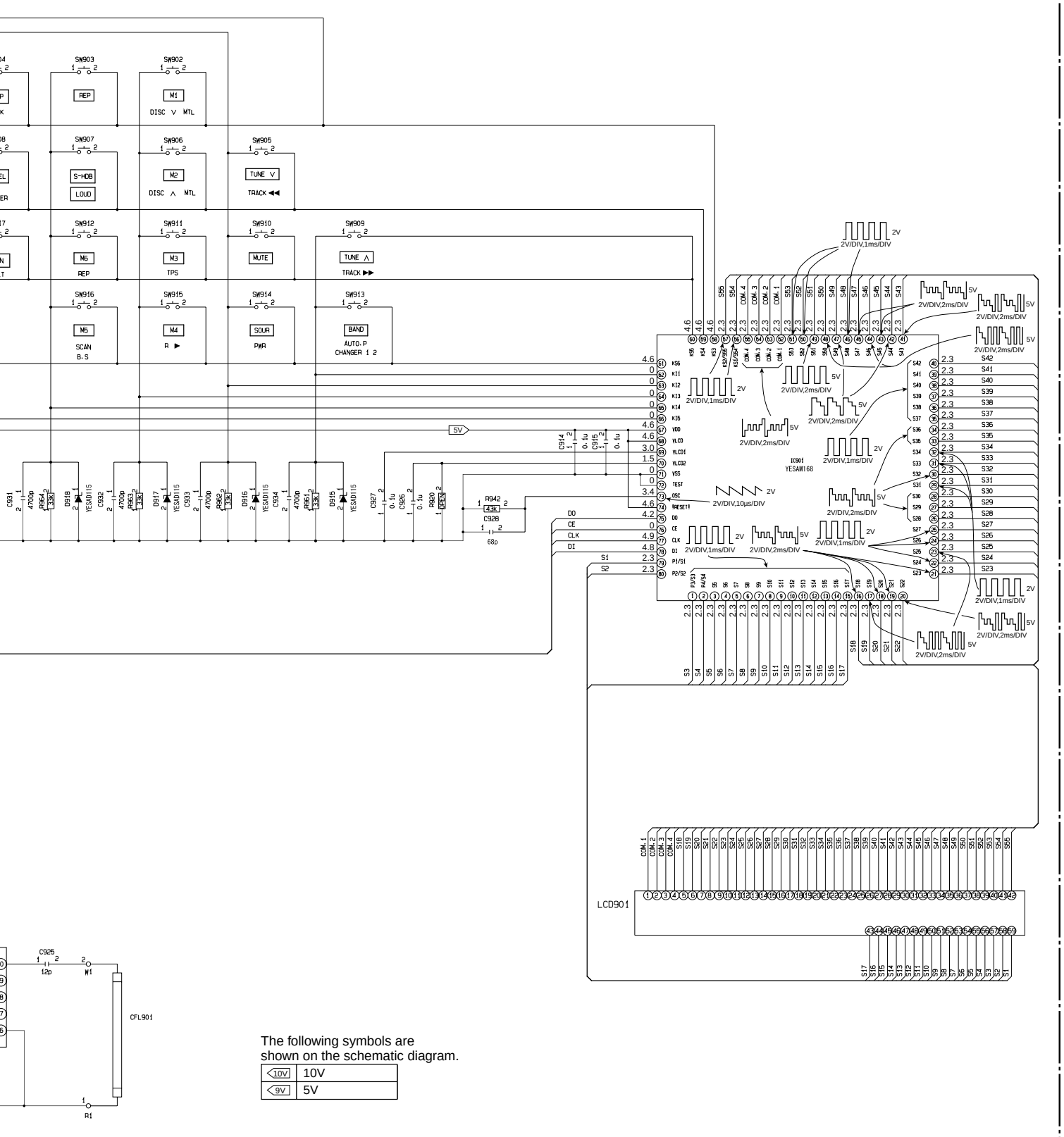
CDM-006(2/2)
CQ-C5410U/C5310U CD Servo (2/2)

26.3. Display Block

7205-05-02



05-05-02

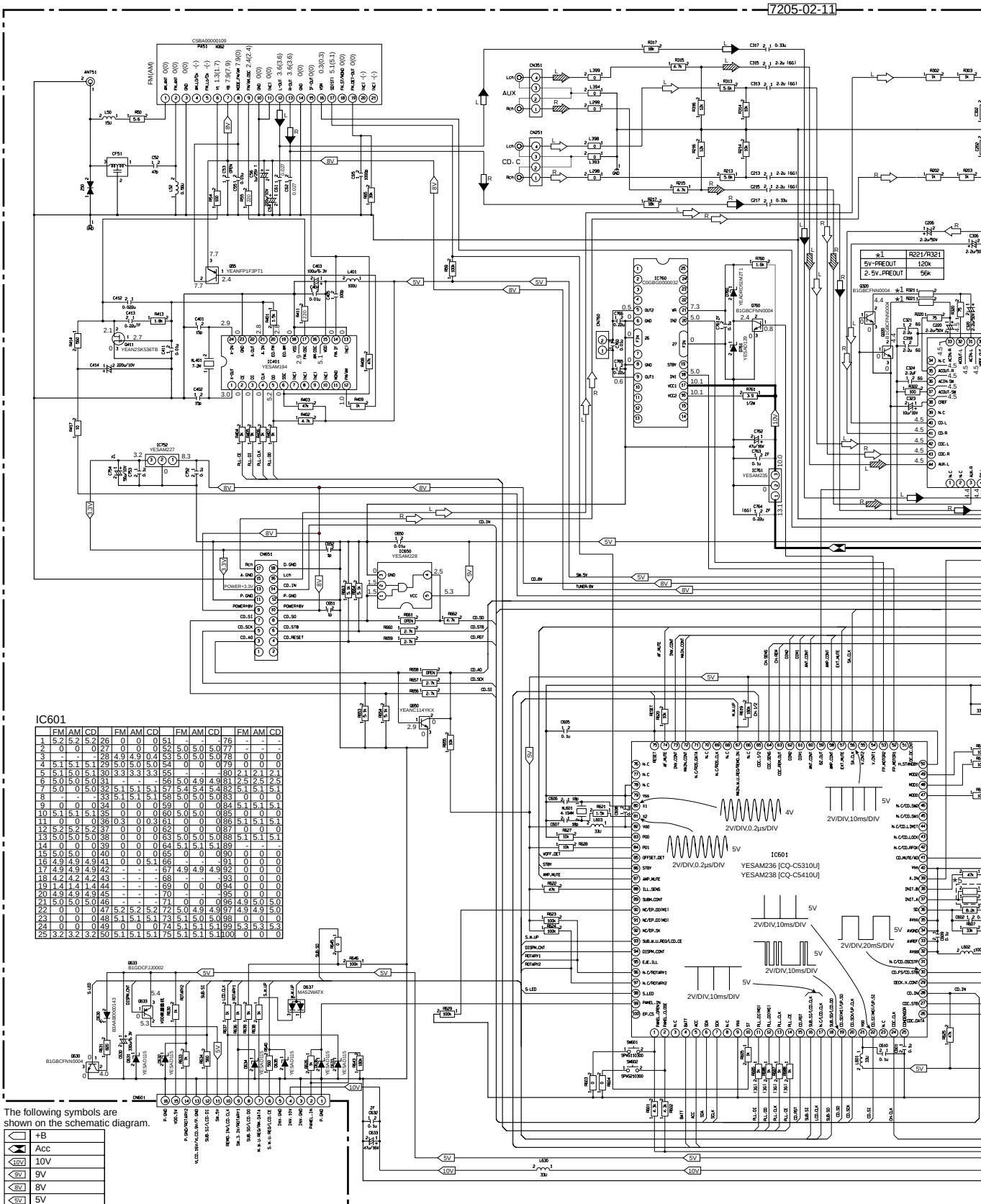


The following symbols are shown on the schematic diagram.

10V	10V
9V	5V

26 SCHEMATIC DIAGRAM

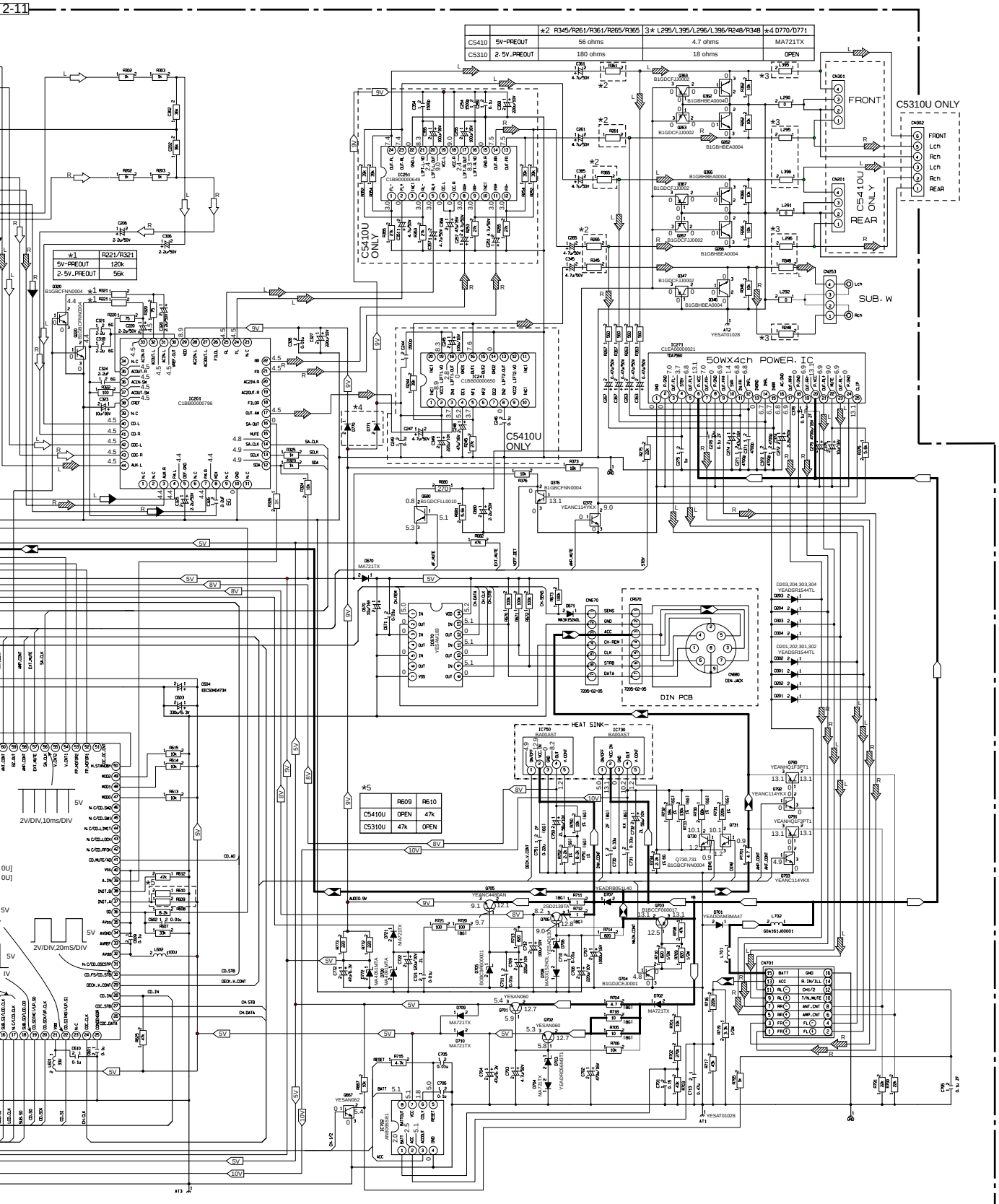
26.1. Main Block [CQ-C5410U/C5310U]



IC601

	FM	AM	CD		FM	AM	CD		FM	AM	CD		FM	AM	CD
1	5.2	5.2	5.2	26	0	0	0	51	-	-	-	76	-	-	-
2	0	0	0	27	0	0	0	52	5.0	5.0	5.0	77	-	-	-
3	-	-	-	28	4.9	4.9	0.4	53	5.0	5.0	5.0	78	0	0	0
4	5.1	5.1	5.1	29	5.0	5.0	5.0	54	0	0	0	79	0	0	0
5	5.1	5.0	5.1	30	3.3	3.3	3.3	55	-	-	-	80	2.1	2.1	2.1
6	5.0	5.0	5.0	31	-	-	-	56	5.0	4.9	4.9	81	2.5	2.5	2.5
7	5.0	0	5.0	32	5.1	5.1	5.1	57	5.4	5.4	5.4	82	5.1	5.1	5.1
8	-	-	-	33	5.1	5.1	5.1	58	5.0	5.0	5.0	83	0	0	0
9	0	0	0	34	0	0	0	59	0	0	0	84	5.1	5.1	5.1
10	5.1	5.1	5.1	35	0	0	0	60	5.0	5.0	0	85	0	0	0
11	0	0	0	36	0.3	0	0.3	61	0	0	0	86	5.1	5.1	5.1
12	5.2	5.2	5.2	37	0	0	0	62	0	0	0	87	0	0	0
13	5.0	5.0	5.0	38	0	0	0	63	5.0	5.0	5.0	88	5.1	5.1	5.1
14	0	0	0	39	0	0	0	64	5.1	5.1	5.1	89	-	-	-
15	5.0	5.0	0	40	0	0	0	65	0	0	0	90	0	0	0
16	4.9	4.9	4.9	41	0	0	5.1	66	-	-	-	91	0	0	0
17	4.9	4.9	4.9	42	-	-	-	67	4.9	4.9	4.9	92	0	0	0
18	4.2	4.2	4.2	43	-	-	-	68	-	-	-	93	0	0	0
19	1.4	1.4	1.4	44	-	-	-	69	0	0	0	94	0	0	0
20	4.9	4.9	4.9	45	-	-	-	70	-	-	-	95	0	0	0
21	5.0	5.0	5.0	46	-	-	-	71	0	0	0	96	4.9	5.0	5.0
22	0	0	0	47	5.2	5.2	5.2	72	5.0	4.9	4.9	97	4.9	4.9	5.0
23	0	0	0	48	5.1	5.1	5.1	73	5.1	5.0	5.0	98	0	0	0
24	0	0	0	49	0	0	0	74	5.1	5.1	5.1	99	5.3	5.3	5.3
25	3.2	3.2	3.2	50	5.1	5.1	5.1	75	5.1	5.1	5.1	100	0	0	0

2-11



		✻2 R345/R261/R361/R265/R365	✻3 L295/L395/L296/L396/R248/R348	✻4 D770/D771
C5410	5V-PREOUT	56 ohms	4.7 ohms	MA721TX
C5310	2.5V_PREOUT	180 ohms	18 ohms	OPEN

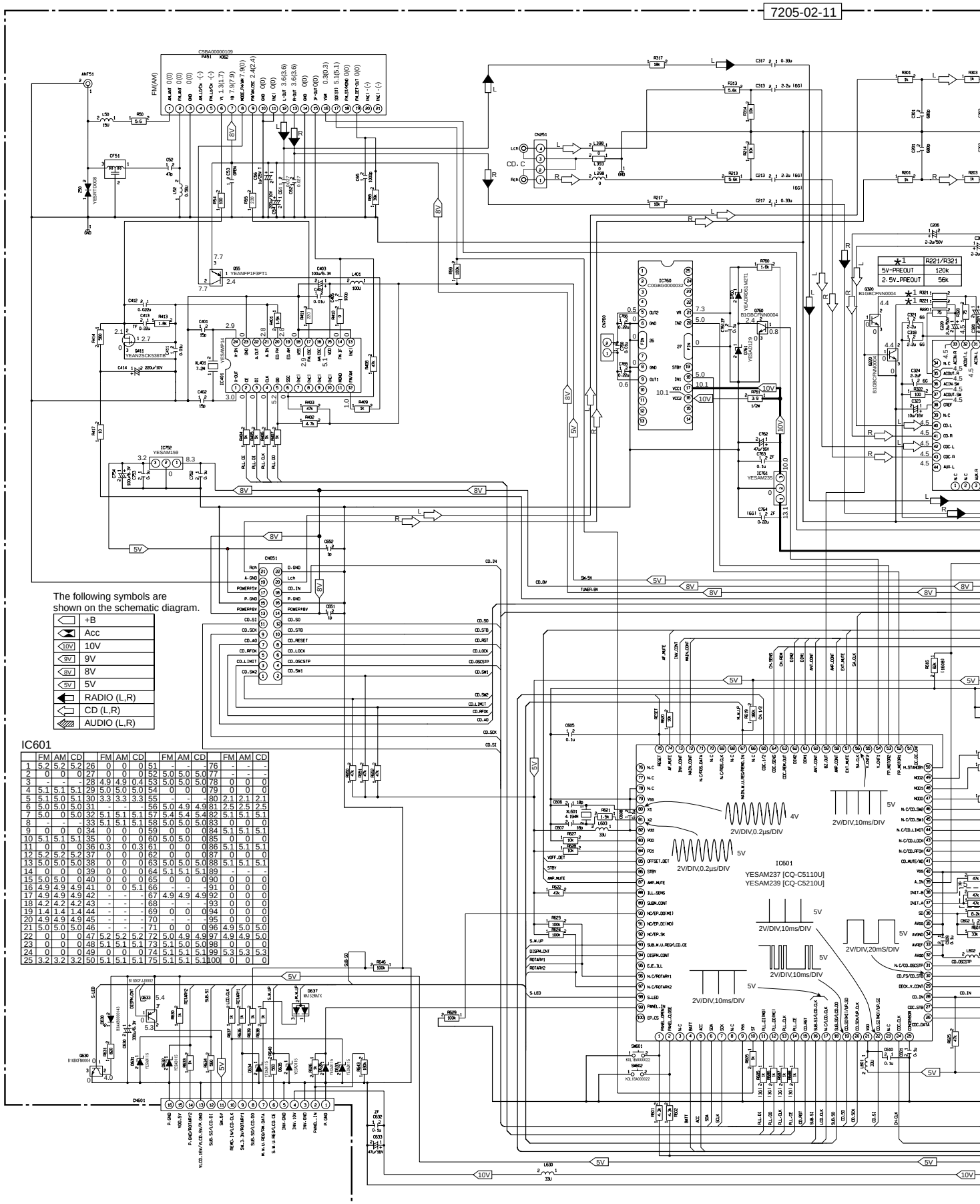
✻1	R221/R321
5V-PREOUT	120k
2.5V_PREOUT	56k

✻5	R609	R610
C5410U	OPEN	47k
C5310U	47k	OPEN

CQ-C5310U/CQ-5410U MAIN

26.2. Main Block [CQ-C5210U/C5110U]

7205-02-11



The following symbols are shown on the schematic diagram.

	+B
	Acc
10V	10V
9V	9V
8V	8V
5V	5V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)

IC601

	FM	AM	CD		FM	AM	CD		FM	AM	CD		FM	AM	CD
1	5.2	5.2	5.2	26	0	0	0	51	-	-	-	76	-	-	-
2	0	0	0	27	0	0	0	52	5.0	5.0	5.0	77	-	-	-
3	-	-	-	28	4.9	4.9	0.4	53	5.0	5.0	5.0	78	0	0	0
4	5.1	5.1	5.1	29	5.0	5.0	5.0	54	0	0	0	79	0	0	0
5	5.1	5.0	5.1	30	3.3	3.3	3.3	55	-	-	-	80	2.1	2.1	2.1
6	5.0	5.0	5.0	31	-	-	-	56	5.0	4.9	4.9	81	2.5	2.5	2.5
7	5.0	0	5.0	32	5.1	5.1	5.1	57	5.4	5.4	5.4	82	5.1	5.1	5.1
8	-	-	-	33	5.1	5.1	5.1	58	5.0	5.0	5.0	83	0	0	0
9	0	0	0	34	0	0	0	59	0	0	0	84	5.1	5.1	5.1
10	5.1	5.1	5.1	35	0	0	0	60	5.0	5.0	0	85	0	0	0
11	0	0	0	36	0.3	0	0.3	61	0	0	0	86	5.1	5.1	5.1
12	5.2	5.2	5.2	37	0	0	0	62	0	0	0	87	0	0	0
13	5.0	5.0	5.0	38	0	0	0	63	5.0	5.0	5.0	88	5.1	5.1	5.1
14	0	0	0	39	0	0	0	64	5.1	5.1	5.1	89	-	-	-
15	5.0	5.0	0	40	0	0	0	65	0	0	0	90	0	0	0
16	4.9	4.9	4.9	41	0	0	5.1	66	-	-	-	91	0	0	0
17	4.9	4.9	4.9	42	-	-	-	67	4.9	4.9	4.9	92	0	0	0
18	4.2	4.2	4.2	43	-	-	-	68	-	-	-	93	0	0	0
19	1.4	1.4	1.4	44	-	-	-	69	0	0	0	94	0	0	0
20	4.9	4.9	4.9	45	-	-	-	70	-	-	-	95	0	0	0
21	5.0	5.0	5.0	46	-	-	-	71	0	0	0	96	4.9	5.0	5.0
22	0	0	0	47	5.2	5.2	5.2	72	5.0	4.9	4.9	97	4.9	4.9	5.0
23	0	0	0	48	5.1	5.1	5.1	73	5.1	5.0	5.0	98	0	0	0
24	0	0	0	49	0	0	0	74	5.1	5.1	5.1	99	5.3	5.3	5.3
25	3.2	3.2	3.2	50	5.1	5.1	5.1	75	5.1	5.1	5.1	100	0	0	0

★1	R221/R321
5V-PREOUT	120k
2.5V_PREOUT	56k

		*2 R345/R261/R361/R265/R365	*3 L295/L395/L296/L396/R248/R348	*4 D770/D771
C5210U	5V-PREOUT	56 ohms	4.7 ohms	MA721TX
C5110U	2.5V-PREOUT	180 ohms	18 ohms	OPEN

*1	R221/R321
5V-PREOUT	120k
2.5V-PREOUT	56k

*5	R609	R610
C5210U	OPEN	47k
C5110U	47k	OPEN

C5110U ONLY

C5210U ONLY

FRONT

REAR

SUB. W

DIN PCB

IC201 C1BB00000796

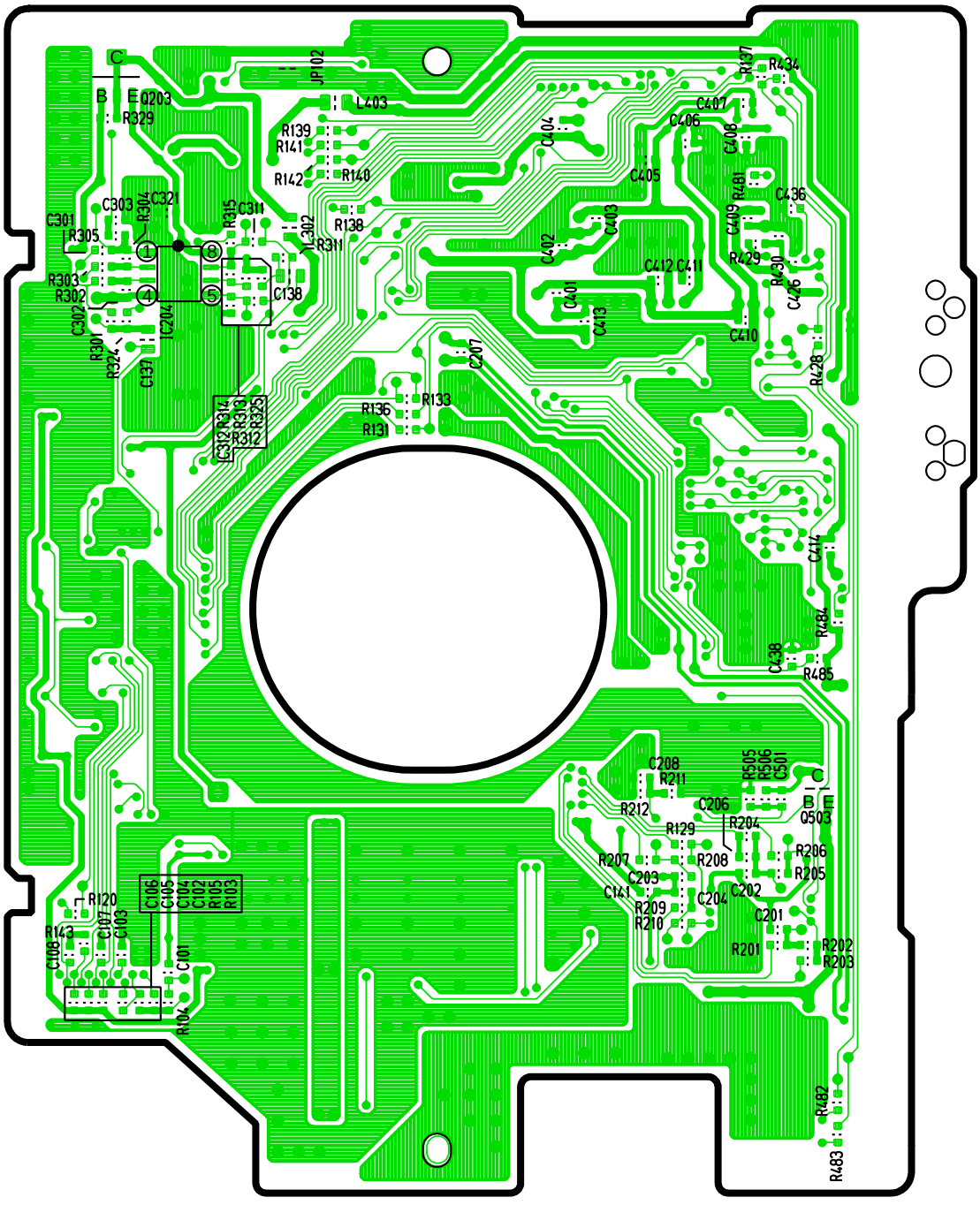
IC271 C1EA00000021 50WX4ch POWER. IC

IC251 C1BB00000649

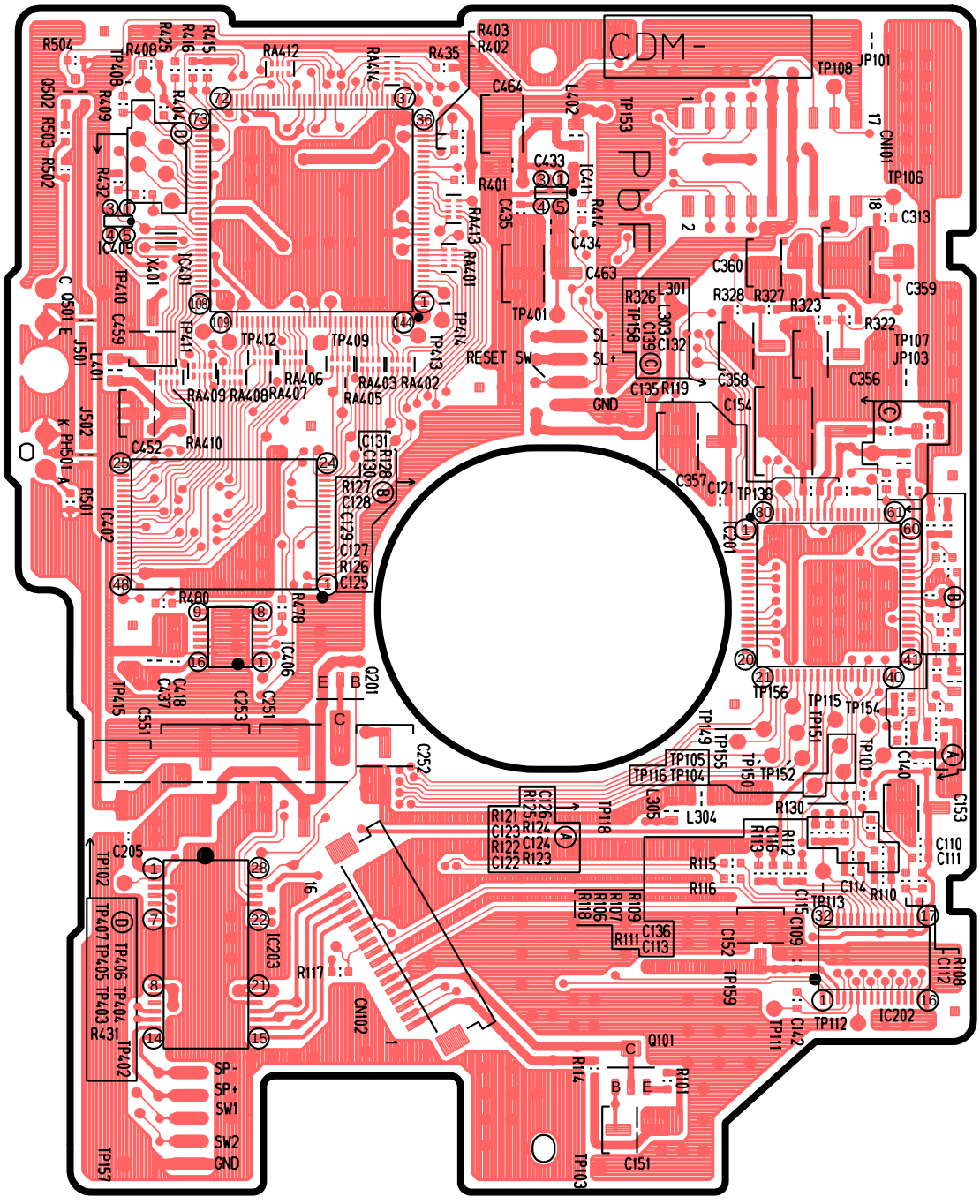
IC241 C1BB00000650

2V/DIV,10ms/DIV

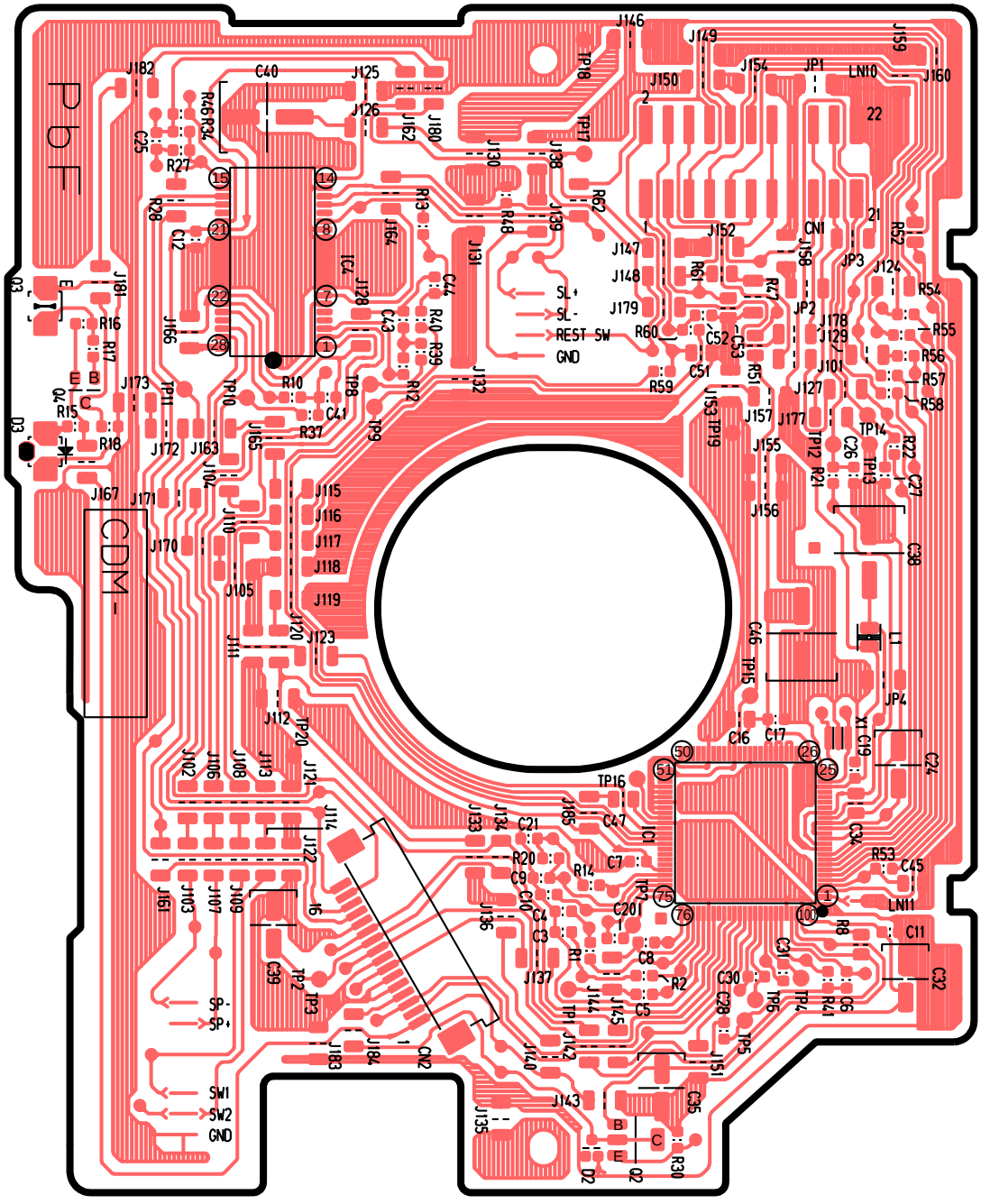
2V/DIV,20mS/DIV



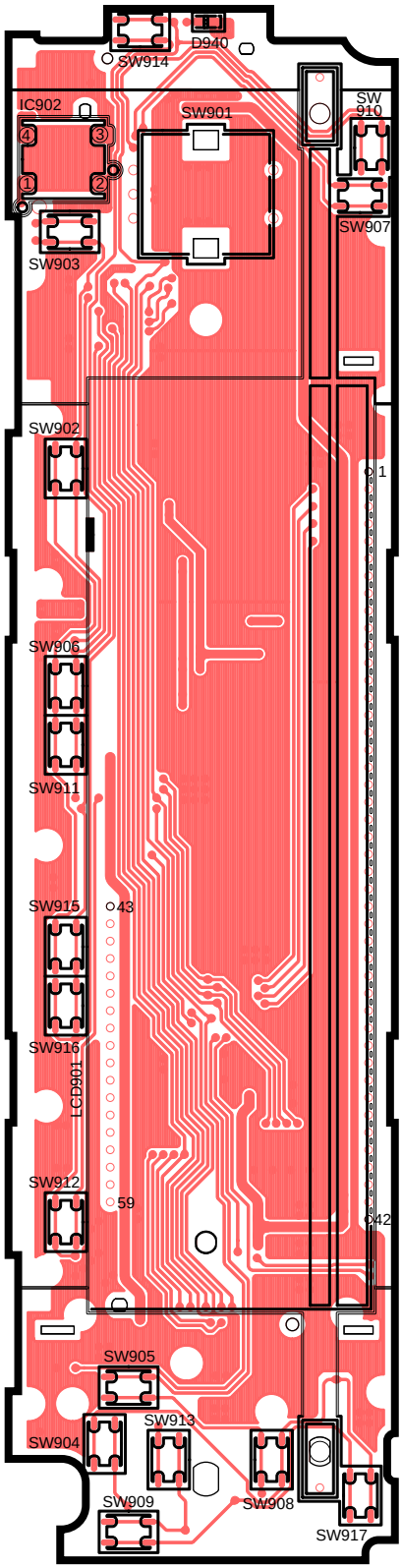
[3032-14-05] [Bottom View]



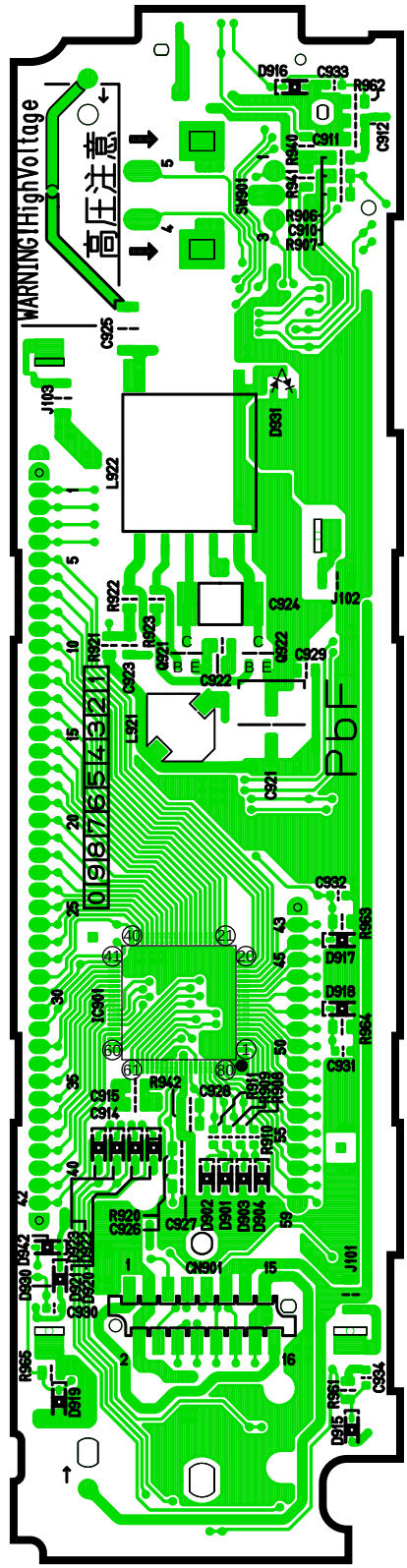
[3032-14-05] [Top View]



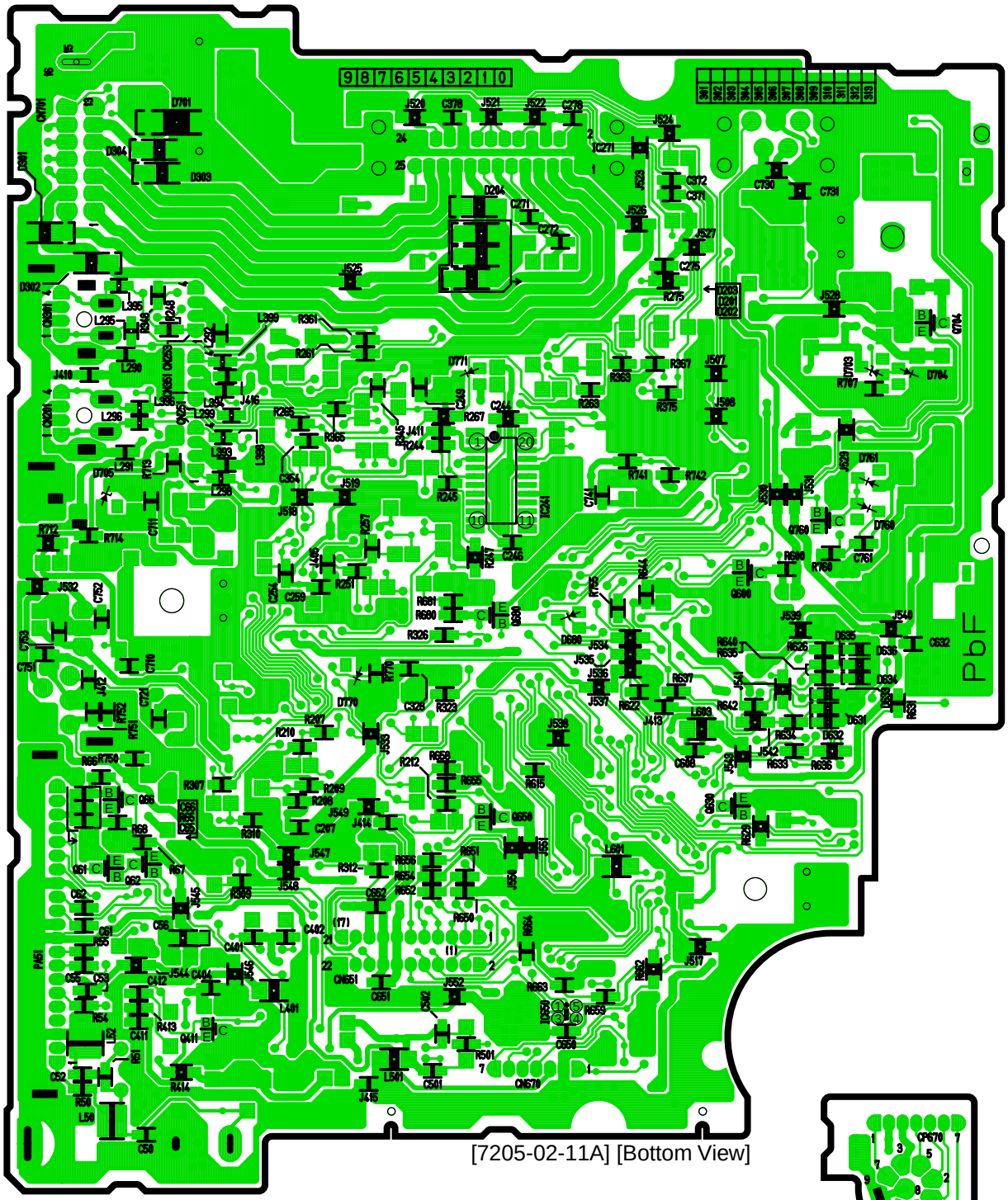
[3032-14-07] [Top View]



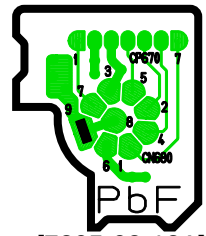
[7205-05-02] [Top View]



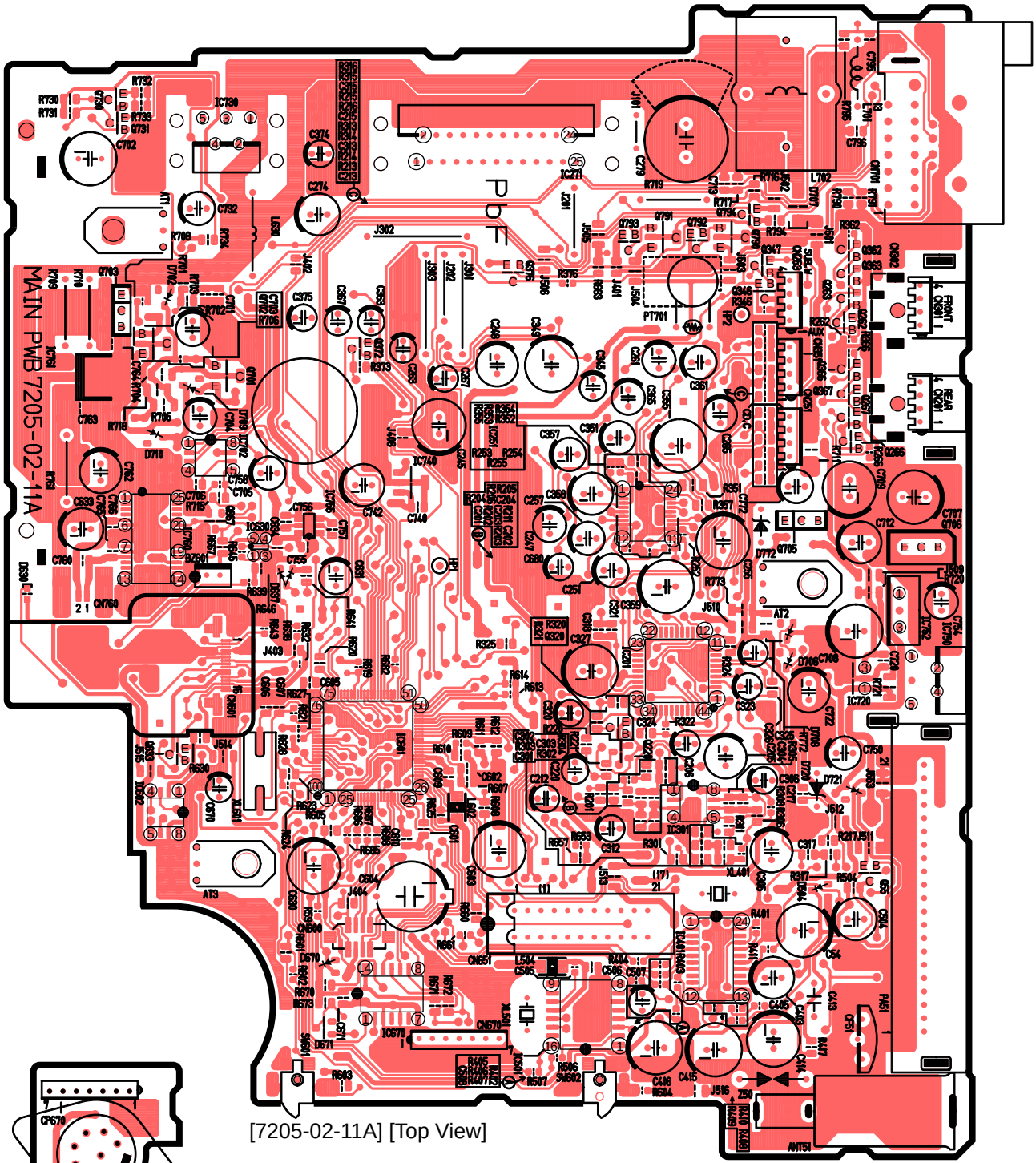
[7205-05-02] [Bottom View]



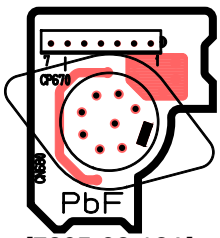
[7205-02-11A] [Bottom View]



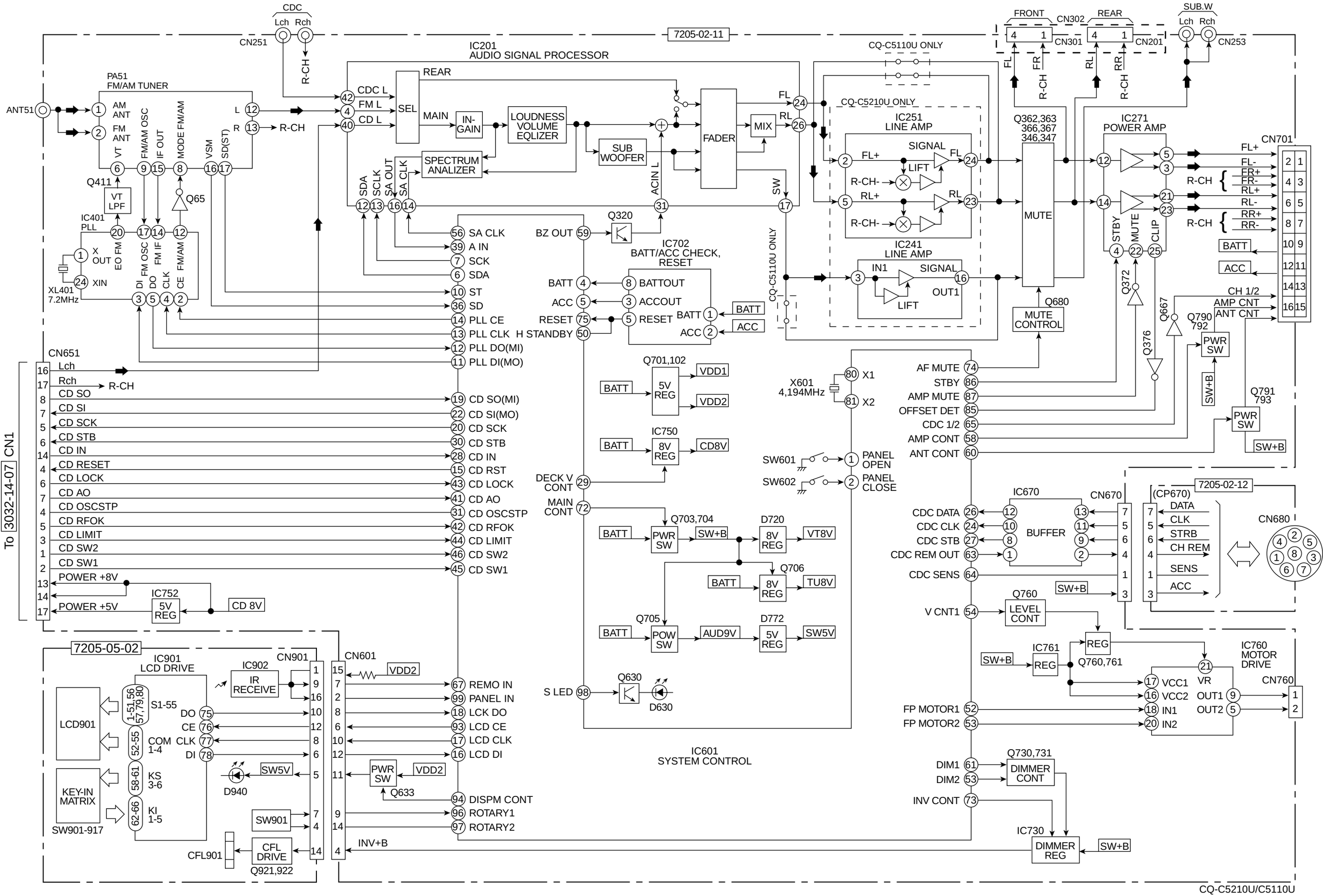
[7205-02-12A]
[Bottom View]



[7205-02-11A] [Top View]



[7205-02-12A]
[Top View]


CDC
Lch Rch
CN251
R-CH
7205-02-11
IC201
AUDIO SIGNAL PROCESSOR
CQ-C5110U ONLY
FRONT
CN302
REAR
SUB.W
Lch Rch
CN301
CN201
CN253
FL
FR
R-CH
RL
RR
R-CH
PA51
FM/AM TUNER
ANT51
AM ANT
FM ANT
VT
FM/AM OSC
IF OUT
MODE FM/AM
VSM
SD(ST)
L
R
R-CH
Q411
VT LPF
Q65
IC401
PLL
X OUT
XIN
XL401
7.2MHz
EO FM
FM OSC
FM IF
FM/AM
DI
DO
CLK
CE
CDC L
FM L
CD L
SEL
REAR
MAIN
IN-GAIN
LOUDNESS VOLUME EQLIZER
SUB WOOFER
SPECTRUM ANALIZER
SDA
SCLK
SA OUT
SA CLK
ACIN L
FADER
MIX
FL
RL
SW
CQ-C5210U ONLY
IC251
LINE AMP
SIGNAL
FL+
R-CH-
RL+
R-CH-
LIFT
IC241
LINE AMP
IN1
SIGNAL
OUT1
LIFT
Q362,363
366,367
346,347
MUTE
IC271
POWER AMP
STBY
MUTE
CLIP
CN701
FL+
FL-
R-CH
FR+
FR-
RL+
RL-
R-CH
RR+
RR-
BATT
ACC
CH 1/2
AMP CNT
ANT CNT
Q372
Q667
Q790
792
PWR SW
SW+B
Q791
793
PWR SW
SW+B
Q376
Q680
MUTE CONTROL
SA CLK
A IN
SCK
SDA
ST
SD
PLL CE
PLL CLK
PLL DO(MI)
PLL DI(MO)
BZ OUT
Q320
IC702
BATT/ACC CHECK, RESET
BATTOUT
ACCOUT
RESET
H STANDBY
BATT
ACC
CN651
Lch
Rch
R-CH
CD SO
CD SI
CD SCK
CD STB
CD IN
CD RESET
CD LOCK
CD AO
CD OSCSTP
CD RFOK
CD LIMIT
CD SW2
CD SW1
POWER +8V
POWER +5V
IC752
5V REG
CD 8V
CD SO(MI)
CD SI(MO)
CD SCK
CD STB
CD IN
CD RST
CD LOCK
CD AO
CD OSCSTP
CD RFOK
CD LIMIT
CD SW2
CD SW1
Q701,102
5V REG
VDD1
VDD2
BATT
IC750
8V REG
CD8V
DECK V CONT
MAIN CONT
Q703,704
PWR SW
SW+B
D720
8V REG
VT8V
Q706
8V REG
TU8V
Q705
POW SW
AUD9V
D772
5V REG
SW5V
S LED
Q630
D630
SW601
SW602
PANEL OPEN
PANEL CLOSE
X601
4,194MHz
X1
X2
AF MUTE
STBY
AMP MUTE
OFFSET DET
CDC 1/2
AMP CONT
ANT CONT
IC670
BUFFER
CN670
(CP670)
7205-02-12
CDC DATA
CDC CLK
CDC STB
CDC REM OUT
CDC SENS
DATA
CLK
STRB
CH REM
SENS
ACC
CN680
SW+B
Q760
LEVEL CONT
V CNT1
REG
IC761
REG
Q760,761
IC760
MOTOR DRIVE
VCC1
VCC2
IN1
IN2
VR
OUT1
OUT2
CN760
FP MOTOR1
FP MOTOR2
Q730,731
DIMMER CONT
DIM1
DIM2
INV CONT
IC730
DIMMER REG
SW+B
IC601
SYSTEM CONTROL
7205-05-02
IC901
LCD DRIVE
IC902
IR RECEIVE
CN901
CN601
VDD2
LCD901
S1-55
COM 1-4
KEY-IN MATRIX
KS 3-6
KI 1-5
SW901-917
SW901
SW5V
D940
PWR SW
Q633
CFL901
CFL DRIVE
Q921,922
INV+B
REMO IN
PANEL IN
LCK DO
LCD CE
LCD CLK
LCD DI
DISPM CONT
ROTARY1
ROTARY2
To 3032-14-07 CN1
CQ-C5210U/C5110U

CDC Lch Rch — CN251 — R-CH
AUX Lch Rch — CN351 — R-CH
7205-02-11
FRONT CN302 REAR — CN201
SUB.W Lch Rch — CN253
FL FR RL RR R-CH R-CH

IC201
AUDIO SIGNAL PROCESSOR

PA51
FM/AM TUNER
ANT51
1 AM ANT
2 FM ANT
L 12 R 13 R-CH
VT 6 FM/AM OSC 9 IF OUT 15 MODE FM/AM 8 VSM 16 SD(ST) 17
Q411 VT LPF
Q65
IC401
PLL
20 EO FM 17 FM OSC 14 FM IF 12 FM/AM
1 X OUT
24 XIN
XL401
7.2MHz
DI 3 DO 5 CLK 4 CE 2

44 AUX L
42 CDC L
4 FM L
40 CD L
SEL
REAR
MAIN
IN-GAIN
LOUDNESS VOLUME EQLIZER
SUB WOOFER
SPECTRUM ANALIZER
SDA SCLK SA OUT SA CLK
12 13 16 14
ACIN L 31
FADER
MIX
FL 24
RL 26
SW 17

IC251
LINE AMP
2 FL+
5 RL+
R-CH-
SIGNAL
LIFT
FL 24
RL 23

Q362,363
366,367
346,347
MUTE

IC271
POWER AMP
12 14
5 3 21 23
STBY 4 MUTE 22 CLIP 25

CN701
FL+ FL- R-CH FR+ FR- RL+ RL- R-CH RR+ RR-
BATT ACC
CH 1/2 AMP CNT ANT CNT
2 1 / 4 3 / 6 5 / 8 7 / 10 9 / 12 11 / 14 13 / 16 15

56 SA CLK
39 A IN
7 SCK
6 SDA
10 ST
36 SD
14 PLL CE
13 PLL CLK
12 PLL DO(MI)
11 PLL DI(MO)

BZ OUT 59
Q320
BATT 4
ACC 5
RESET 75
H STANDBY 50

IC702
BATT/ACC CHECK, RESET
8 BATTOUT
3 ACCOUT
5 RESET
BATT 1
ACC 2
BATT
ACC

IC241
LINE AMP
3 IN1
SIGNAL
LIFT
16 OUT1

Q680
MUTE CONTROL

Q372
Q667
Q790
792
PWR SW
SW+B
Q791
793
PWR SW
SW+B
Q376

CN651
16 Lch
17 Rch R-CH
8 CD SO
7 CD SI
5 CD SCK
6 CD STB
14 CD IN
4 CD RESET
3 CD AO Q650
9 POWER +8V
10 POWER +5V
13
IC752 5V REG CD 8V

IC650
3V to 5V
19 CD SO(MI)
22 CD SI(MO)
20 CD SCK
30 CD STB
28 CD IN
15 CD RST
41 CD MUTE

Q701,102
BATT 5V REG VDD1 VDD2
IC750
BATT 8V REG CD8V
DECK V CONT 29
MAIN CONT 72
Q703,704
BATT PWR SW SW+B 8V REG VT8V
Q706
BATT 8V REG TU8V
Q705
BATT POW SW AUD9V 5V REG SW5V
S LED 98 Q630 D630

X601
4,194MHz
80 X1
81 X2

SW601 1 PANEL OPEN
SW602 2 PANEL CLOSE

AF MUTE 74
STBY 86
AMP MUTE 87
OFFSET DET 85
CDC 1/2 65
AMP CONT 58
ANT CONT 60

IC670
BUFFER
CN670
(CP670)
7205-02-12
CDC DATA 26 12
CDC CLK 24 10
CDC STB 27 8
CDC REM OUT 63 1
CDC SENS 64
13 11 9 2
7 5 6 4 1 3
DATA CLK STRB CH REM SENS ACC
CN680

SW+B
Q760
LEVEL CONT
V CNT1 54
IC761
REG
Q760,761
REG
IC760
MOTOR DRIVE
17 VCC1
16 VCC2
18 IN1
20 IN2
21 VR
OUT1 9
OUT2 5
CN760 1 2
FP MOTOR1 52
FP MOTOR2 53

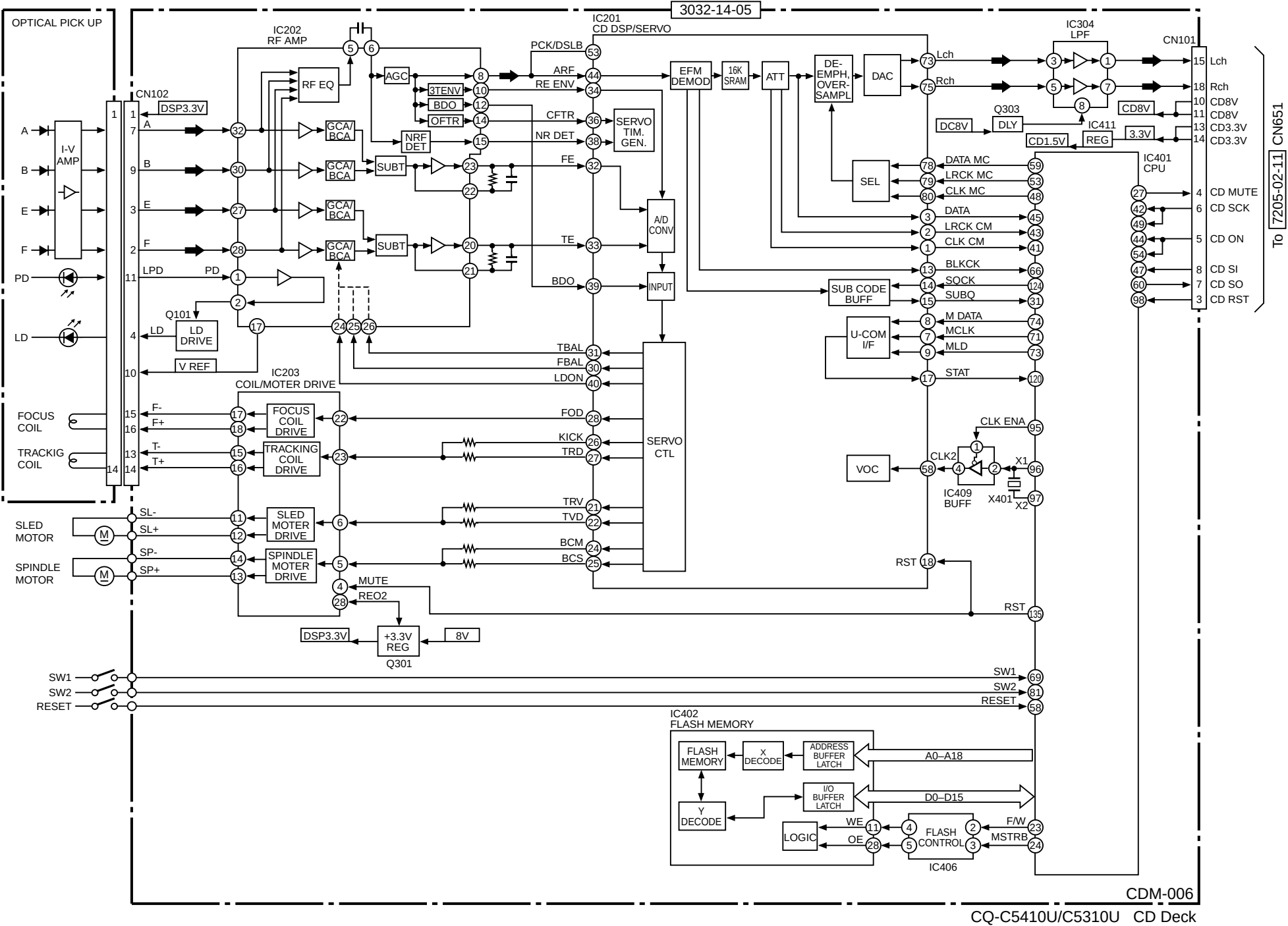
Q730,731
DIM1 61
DIM2 53
DIMMER CONT
INV CONT 73
IC730
DIMMER REG
SW+B

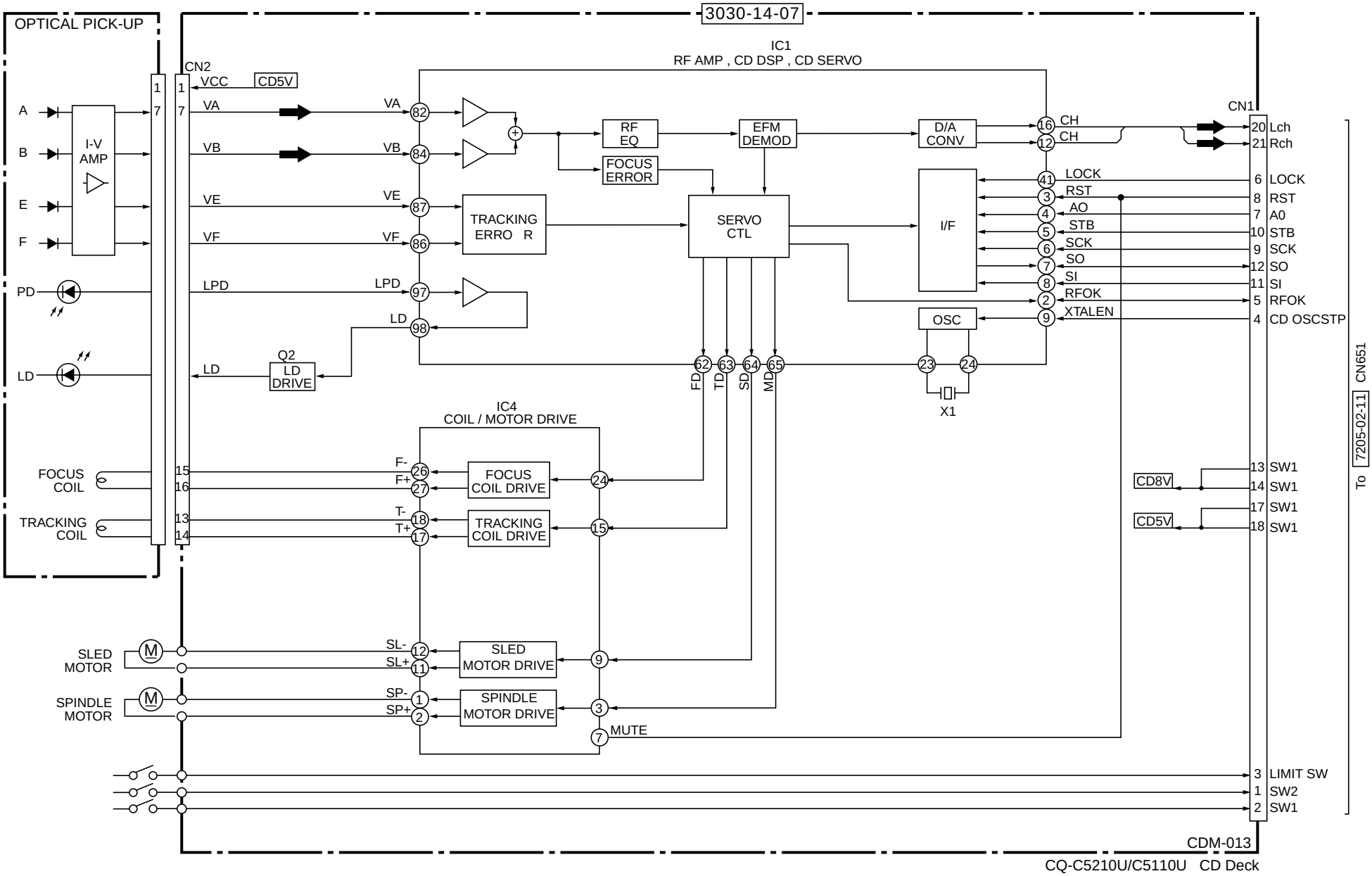
To 3032-14-05 CN101

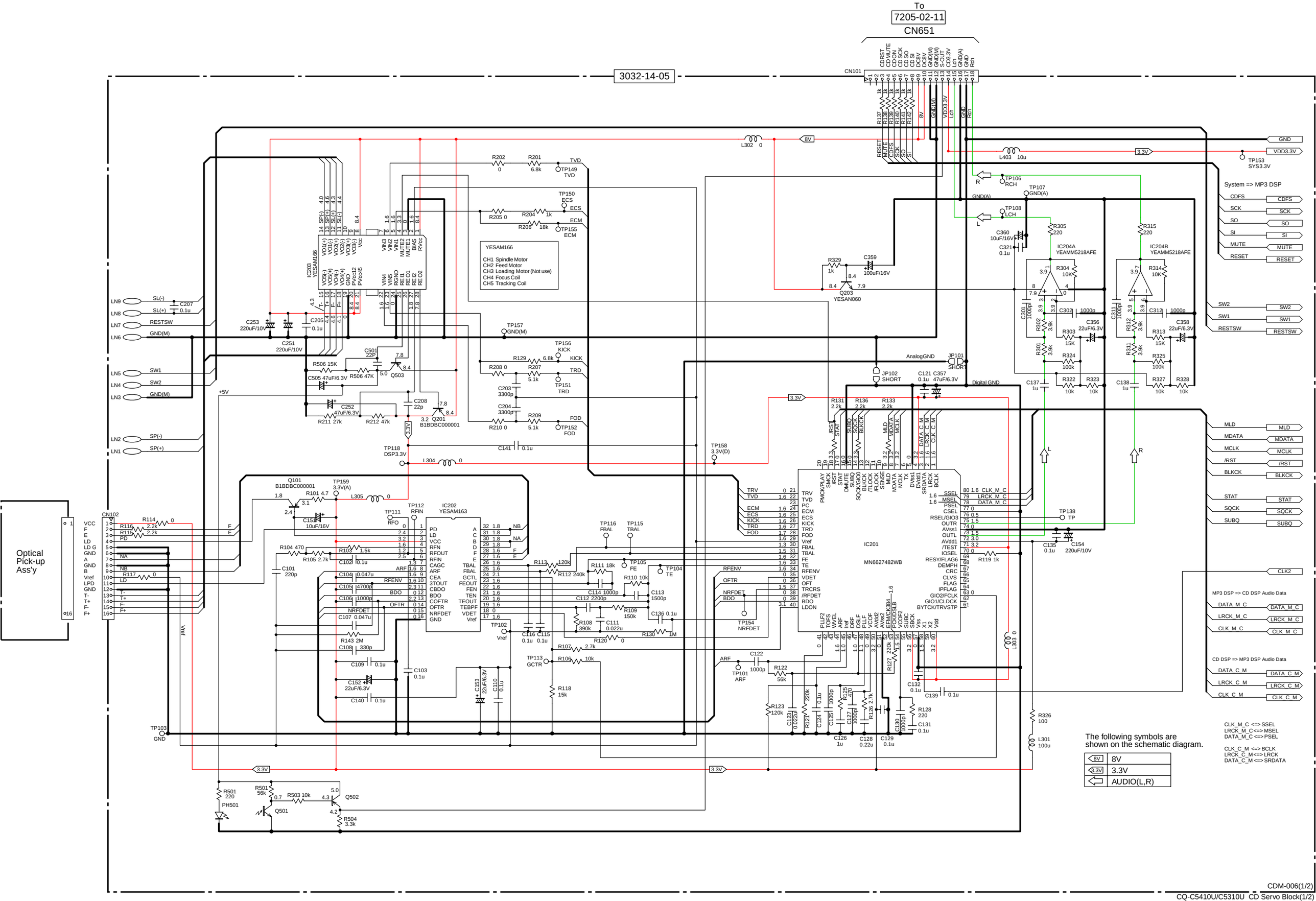
7205-05-02
IC901
LCD DRIVE
LCD901
S1-51,56,57,79,80
52-55 COM 1-4
58-61 KS 3-6
62-66 KI 1-5
KEY-IN MATRIX
SW901-917
DO 75 CE 76 CLK 77 DI 78
IC902
IR RECEIVE
SW5V
D940
SW901
CFL901
CFL DRIVE
Q921,922
CN901
1 9 16 10 12 8 6 5 7 4 14
CN601
15 7 2 8 6 10 12 11 9 14 4
VDD2
67 REMO IN
99 PANEL IN
18 LCK DO
93 LCD CE
17 LCD CLK
16 LCD DI
PWR SW
Q633
94 DISPM CONT
96 ROTARY1
97 ROTARY2
INV+B

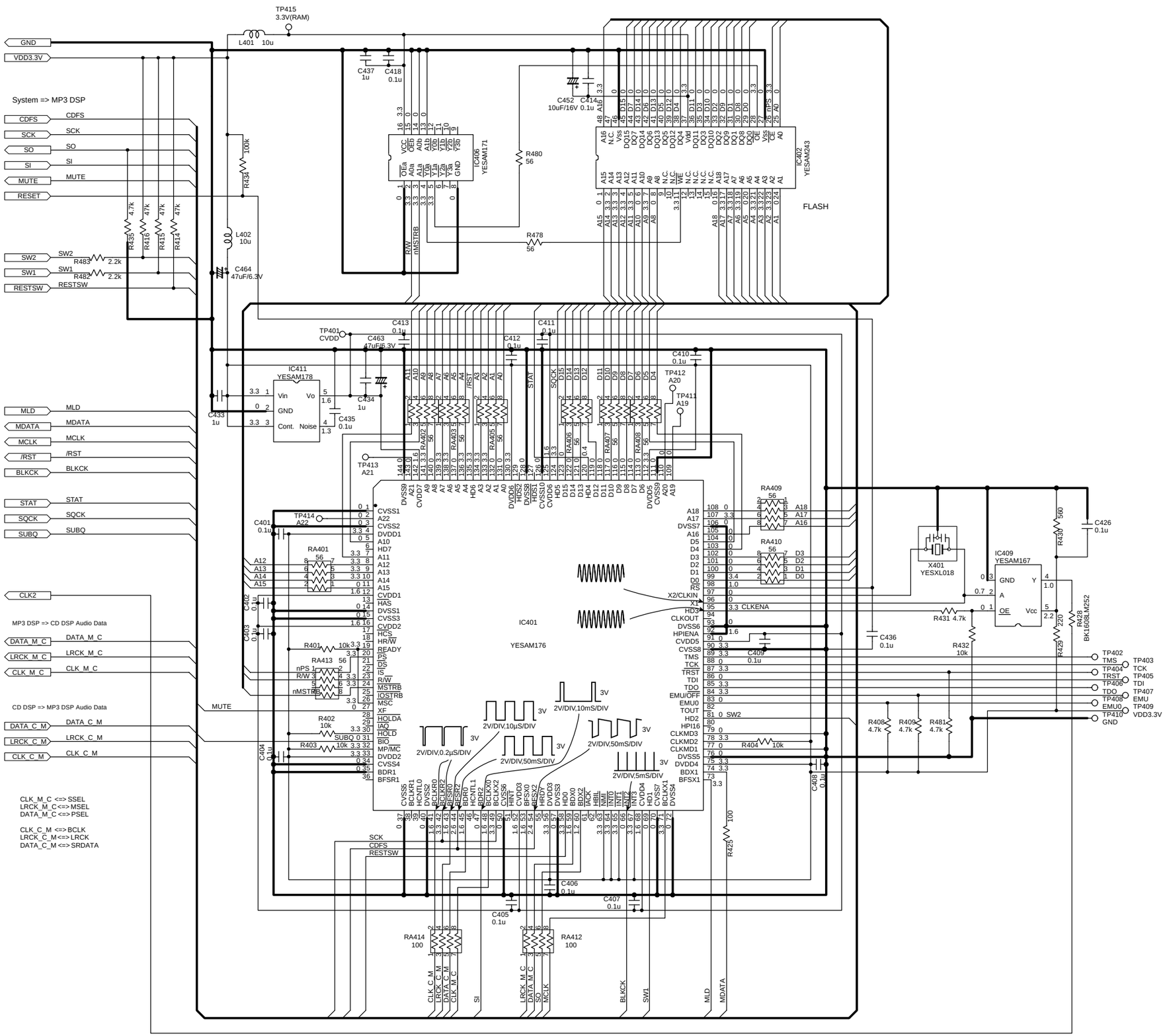
IC601
SYSTEM CONTROL

CQ-C5410U/C5310U


3032-14-05
OPTICAL PICK UP
IC202
RF AMP
IC201
CD DSP/SERVO
IC304
LPF
CN101
CN102
DSP3.3V
RF EQ
AGC
3TENV
BDO
OFTR
NRF
DET
GCA/
BCA
SUBT
PCK/DSLB
ARF
RE ENV
CFTR
NR DET
FE
TE
BDO
SERVO
TIM.
GEN.
A/D
CONV
INPUT
EFM
DEMOD
16K
SRAM
ATT
DE-
EMPH,
OVER-
SAMPL
DAC
Lch
Rch
Q303
DLY
DC8V
CD8V
IC411
REG
3.3V
CD1.5V
IC401
CPU
SEL
DATA MC
LRCK MC
CLK MC
DATA
LRCK CM
CLK CM
BLKCK
SOCK
SUBQ
SUB CODE
BUFF
U-COM
I/F
M DATA
MCLK
MLD
STAT
CD MUTE
CD SCK
CD ON
CD SI
CD SO
CD RST
To 7205-02-11 CN651
I-V
AMP
A
B
E
F
PD
LD
LPD
Q101
LD
DRIVE
V REF
IC203
COIL/MOTER DRIVE
FOCUS
COIL
TRACKIG
COIL
F-
F+
T-
T+
FOCUS
COIL
DRIVE
TRACKING
COIL
DRIVE
TBAL
FBAL
LDON
FOD
KICK
TRD
SERVO
CTL
TRV
TVD
BCM
BCS
SLED
MOTOR
SPINDLE
MOTOR
SL-
SL+
SP-
SP+
SLED
MOTER
DRIVE
SPINDLE
MOTER
DRIVE
MUTE
REO2
+3.3V
REG
8V
Q301
CLK ENA
CLK2
X1
X2
X401
IC409
BUFF
VOC
RST
SW1
SW2
RESET
IC402
FLASH MEMORY
FLASH
MEMORY
X
DECODE
ADDRESS
BUFFER
LATCH
A0–A18
Y
DECODE
I/O
BUFFER
LATCH
D0–D15
LOGIC
WE
OE
FLASH
CONTROL
F/W
MSTRB
IC406
CDM-006
CQ-C5410U/C5310U CD Deck


3030-14-07
OPTICAL PICK-UP
A
B
E
F
I-V AMP
PD
LD
CN2
VCC
CD5V
VA
VB
VE
VF
LPD
LD
Q2
LD DRIVE
IC1
RF AMP , CD DSP , CD SERVO
RF EQ
FOCUS ERROR
TRACKING ERRO R
EFM DEMOD
SERVO CTL
D/A CONV
I/F
OSC
X1
FD
TD
SD
MD
CH
CH
LOCK
RST
AO
STB
SCK
SO
SI
RFOK
XTALEN
CN1
Lch
Rch
LOCK
RST
A0
STB
SCK
SO
SI
RFOK
CD OSCSTP
IC4
COIL / MOTOR DRIVE
FOCUS COIL
TRACKING COIL
F-
F+
T-
T+
FOCUS COIL DRIVE
TRACKING COIL DRIVE
CD8V
CD5V
SW1
SW1
SW1
SW1
SLED MOTOR
SPINDLE MOTOR
SL-
SL+
SP-
SP+
SLED MOTOR DRIVE
SPINDLE MOTOR DRIVE
MUTE
LIMIT SW
SW2
SW1
To 7205-02-11 CN651
CDM-013
CQ-C5210U/C5110U CD Deck


To
7205-02-11
CN651
3032-14-05
CN101
CDRST
CDMUTE
CD SCK
CD SO
CD SI
DC5V
DC3V
GND(M)
GND(M)
S-OUT
CD3.3V
Lch
GND(A)
GND
Rch
RESET
MUTE
CDFS
SCK
SO
SI
8V
VDD3.3V
GND
3.3V
TP153
SYS3.3V
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
SW2
SW1
RESTSW
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
IC203
YESAM166
CH1 Spindle Motor
CH2 Feed Motor
CH3 Loading Motor (Not use)
CH4 Focus Coil
CH5 Tracking Coil
IC204A
YEAMM5218AFE
IC204B
YEAMM5218AFE
Q203
YESAN060
Q201
B1BDBC000001
Q101
B1BDBC000001
IC202
YESAM163
IC201
MN6627482WB
JP101
SHORT
JP102
SHORT
AnalogGND
Digital GND
TP102 Vref
TP103 GND
TP113 GCTR
TP118 DSP3.3V
TP154 NRFDET
TP156 KICK
TP157 GND(M)
TP158 3.3V(D)
TP159 3.3V(A)
Optical Pick-up Ass'y
CN102
VCC
F
E
LD
LD G
GND
A
GND
B
Vref
LPD
GND
T-
T+
F-
F+
SL(-)
SL(+)
RESTSW
GND(M)
SW1
SW2
GND(M)
SP(-)
SP(+)
The following symbols are shown on the schematic diagram.
8V
3.3V
AUDIO(L,R)
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA
CDM-006(1/2)
CQ-C5410U/C5310U CD Servo Block(1/2)


TP415
3.3V(RAM)
L401 10u
GND
VDD3.3V
C437 1u
C418 0.1u
C452 10uF/16V
C414 0.1u
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
R434 100k
R435 4.7k
R416 47k
R415 47k
R414 47k
L402 10u
C464 47uF/6.3V
SW2
SW1
RESTSW
R483 2.2k
R482 2.2k
IC406
YESAM171
R480 56
R478 56
IC402
YESAM243
FLASH
R/W
nMSTRB
TP401
CVDD
C463 47uF/6.3V
C413 0.1u
C412 0.1u
C411 0.1u
C410 0.1u
TP412
A20
TP411
A19
IC411
YESAM178
Vin
Vo
GND
Cont.
Noise
C433 1u
C434 1u
C435 0.1u
TP413
A21
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA
TP414
A22
C401 0.1u
C402 0.1u
C403 0.1u
C404 0.1u
RA401 56
RA413 56
R401 10k
R402 10k
R403 10k
SUBQ
MUTE
IC401
YESAM176
RA409 56
RA410 56
A18
A17
A16
D3
D2
D1
D0
X401
YESXL018
IC409
YESAM167
R430 560
C426 0.1u
R431 4.7k
R432 10k
R428 BK1608LM252
R429 220
C436 0.1u
C409 0.1u
TP402
TMS
TP404
TRST
TP406
TDI
TP408
EMU
TP409
EMU0
TP410
GND
TP403
TCK
TP405
TDI
TP407
TDO
VDD3.3V
R408 4.7k
R409 4.7k
R481 4.7k
R404 10k
C408 0.1u
R425 100
C406 0.1u
C407 0.1u
C405 0.1u
RA414 100
RA412 100
2V/DIV,10µS/DIV
2V/DIV,10mS/DIV
2V/DIV,0.2µS/DIV
2V/DIV,50mS/DIV
2V/DIV,50mS/DIV
2V/DIV,5mS/DIV
3V